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June 1988

Official Journal of the Foundation for Amateur Radio

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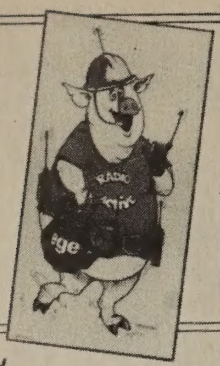

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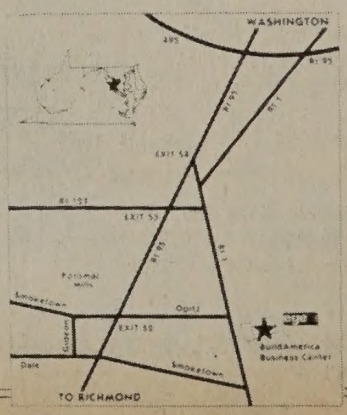

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Corresponding Secretary..... Irene Akers – W3RXJ (301) 423-7138

AUTO-CALL MAGAZINE STAFF

Editor..... Ethel Smith – K4LMB (703) 536-8469

Circulation Manager ..... John Swafford – W4HU (703) 536-9537

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Washington Adventist Amateur Radio Association
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EDITORIAL

By FAR VP Tony Young - WA3YLO

It seems to me, as I listen to two meters and on the low bands, that Auto-Call is referenced almost daily by someone. It is used to relay information over the air on upcoming hamfest, testing, training classes and happenings in local clubs and nets.

Auto-Call is the voice of Amateur Radio in the greater Washington area. If you are reading this, then you know of which I speak. I have been exposed to the Foundation for over ten years through my club trustee and some work at the Gaithersburg Hamfest. However, as a current member of the Foundation Board, the work it does to bind and strengthen area clubs is gratifying. What more it could do is limited only by participation by member clubs and their trustees. Is your club represented regularly?

From the Scholarship program to Widow's Assistance, FAR has earned the respect of its member clubs and the community. Auto-Call editor, Ethel Smith - K4LMB, is a major factor in the renewed vigor and increasing circulation of this journal. Circulation Manager, John Swafford-W4HU has also contributed a great deal to the effort. Under their leadership in the past two years, Auto-Call has gone from heavily subsidized to self sufficient. We also have to thank our advertisers and subscribers for that. Credit also goes to our fine columnists.

This month we will send to member clubs a special offer to promote new subscriptions. There are many new hams who are unaware of Auto-Call, and others who have let their subscriptions expire because they didn't get a-round-toit. We seek your support as subscribers when the offer is brought up at your club or in your newsletters. Help us promote this fine little magazine.

Be a "Know it all - Get Auto-Call."

Tony - WA3YLO

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FCC Highlights

Bill Grenfell, W4GF

FCC's Part 97 proposed rewrite of the Amateur rules, PR Docket 88-139, was released April 13th 1988. The reason given was: "...because advances in technology and operating practices have made the current operating rules difficult to apply to modern communications practices." The total body of the amateur rules would be reduced by roughly 40%. Some of the changes proposed are as follows:

Emission designators would be reduced to nine, such as "phone, image, data, test" etc. Rule interpretations guiding hams operation in support of public events have been codified (97.101). FCC's 4-part rule of reason concerning broadcasting activities has been codified (97.219(f)).

Swap nets permitting amateurs to participate in selling their equipment over the air without fear of being cited by the FCC for business communications would be permitted (97.219(c)). An asking price could be mentioned, "but no subsequent negotiations or bartering may take place. If interest is expressed, the amateur operators would exchange mailing addresses or telephone numbers and finish negotiations using a means of communication other than amateur service frequencies."

A new section called "frequency sharing" (97.217(c)) emphasizes that no frequency is assigned for the exclusive use of any amateur station . "Each amateur operator must cooperate in the selection and use of amateur service frequencies in order to make the most effective use of the frequencies." (97.203(b)).

"...amateur equipment shall not be operated while any aircraft is operating under Instrument Flight Rules unless the equipment has been found to comply with all FAA rules."

According to proposed 97.217(c) and (g) a self-assigned identifier may be used if 1) the ID does not conflict with any other specified by FCC rules or by a prefix assigned to another country and 2) the identifier is separated from the call sign by the slant mark or by the word "stroke".

The FCC is accepting comments in this Docket, PR 88-139, until August 31, with reply comments due October 31. (ARRL Letter, 04/22/88; W5YI Report, 05/01/88).

"There is nothing in the UPS comment which establishes anything unique about 220-222 MHz as a place to implement what the UPS describes as 'an advanced private land mobile telecommunications data network.'" This is one of the key statements in the League's reply comments to the late-filed comments of the United Parcel Service in Docket 87-14, the FCC proposal to remove the two megahertz of the 220 MHz band from the amateur service." Comments filed in the Docket by LOAD Radio and Microwave Communications Consultants stated: "The main point we want to make here is that we believe that adequate alternative 220-MHz spectrum can be found which would make it a moot point and obviate any necessity for displacement of the Amateurs." (ARRL Letter, 04/22/88; W5YI Report, 04/15/88).

FCC "...will not put any limit on the amount of time that an amateur station can spend transmitting bona fide news bulletins, as long as these 'narrowcasts' or QSTs are directed towards the amateur radio community and nobody else. "So says the FCC in its decision to turn down a rule making request filed by James Fisher (K4GF), of Ocala, Florida. "... Fisher had asked that amateur stations operating in bulletin mode be limited to a maximum of ten minutes per day." Another petition, apparently filed later by K7LR, would limit information bulletins to "A brief one-way transmission of timely news or announcements, considered to be of outstanding importance or current

interest." Referring to a number of oneway broadcasts as...(having)...materialized on various amateur frequencies, that clearly violate the letter and intent of the Commission's Rules..." he advises that "The self-described 'programming' can be lengthy - up to 45 minutes, 5 times per day and simulcast on several frequencies." (Westlink Report, 04/29/88; W5YI Report, 04/15/88).

On March 7, 1988 the FCC upheld its $1,450 assessment against David Ackley. W4UWH, St. Thomas, VI "...for transmitting on a frequency not assigned to holders of Technician Class amateur licensees, failing to give his station call sign and maliciously interfering with another amateur station." (Westlink Report, 04/29/88).

Radiation from a discarded TV distribution amplifier in a residential complex was found to be the source of interference to a local repeater in Detroit, MI. The source was traced through the cooperative efforts of the Motor City Radio Club and FCC Engineer Pat Patterson over a period of several weeks. (Westlink Report, 04/09/88).

Last December's recognition by FCC of two 220 MHz repeater coordination organizations and call for cooperation has obviously failed since one body has filed suit against the other. The ARRL has written Private Radio Bureau Chief Ralph Haller "...asking him to use his good offices to help arrive at a solution to the problem..." The ARRL letter is intended to assist the FCC in setting up a face-to-face meeting at an FCC office." (ARRL Washington Area Coordinator's Report, 04/15/88).

The ARRL's 04/15/88 Washington Area Coordinator's Report includes his meeting with Robert McNamara, who recently succeeded Ray Kowalski as Chief, Special Services Division, Private Radio Bureau. The Division oversees amateur, amateur-satellite, RACES, CB, radio control, aviation and marine radio services. The report concluded with: "...Bob McNamara is a good listener, fast learner and will be a good guardian for Amateur Radio."

"Michael Marcus has been named Assistant Chief for Technology in the Field Operations Bureau at FCC. "Previously, Marcus served as Chief, Technical Analysis Division, Office of Science and Technology." (ARRL Letter, 04/22/88).

"The FCC recently denied a petition by Ben Johnson, NY0O,...to amend Section 97.23 (by) eliminating the 5 WPM code requirement for Novice and Technician class Amateur Radio Licenses." In denying the petition the Commission stated that Treaty obligations require that "any person seeking a license to operate the apparatus of an Amateur Radio station shall prove that he/she is able to send and receive text correctly in Morse code signals." (These requirements may be waived under ITU rules in the case of stations making use of frequencies above 30 MHz). "The Commission cited three reasons for retaining the telegraphy requirement: First, a 5 WPM code

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requirement does not constitute a significant entry barrier to the amateur service; second, knowledge of the Morse code continues to be relevant to everyday usage; and third, a code requirement for every license class is important for maintaining the traditional public service role of the amateur service in emergencies." (ARRL Letter, 04/22/88).

The FCC denied a petition filed by Howard McKeathian, N6ELL, to amend Section 97.7 of the Rules, to expand the frequency privileges of Technician class licensees. In denying the petition, the Commission stated "the operator license classes and associated privileges were developed to provide motivation for amateur operators to advance their skills in both communications and technical phases of the radio art" and "nothing in the McKeathian petition indicates the basic structure of amateur licensing is falling short of its goals." (ARRL Letter, 04/22/88).

Amateur Radio antenna towers up to 75 feet high are now legal in Newport Beach, CA. "After nearly three years discussion, the city council voted (unanimously) to accept the new ordinance and cited PRB-1, the FCC preemption order, as being partially instrumental in making the vote unanimous. "The ordinance requires antennas to be lowered to 28 feet when not in use (except vertical 'whip' antennas). "All existing antennas in Newport Beach are "grandfathered;" however, they are required to comply with the ordinance "to the extent that they are capable of doing so without modification." All pre-existing towers must be brought up to standards if relocated or expanded." (ARRL Letter, 04/22/88).

A Burnsville, MN mail order firm is offering a 440-449 MHz "Eagle handie talkie" for sale at under $200. "Apparently the firm has just mailed their Sale Catalog No. 46. "No where in the catalog does it say the transceiver is a ham radio...nor is the catalog mailed to an amateur radio mailing list. "The ad suggests business use of the hand-held transceiver..."A real time and work saver for surveying, construction, highway and field work coordinating, they say". "Nowhere in the ad does it say that a license is needed. It mentions that the unit is 'FCC approved.'" (W5YI Report, 04/15/88).

The FCC, together with the Electronics Industries Association (EIA), has published a new pamphlet "Consumers Should Know Something About Interference." This easy-to-understand pamphlet contains step-by-step methods of understanding and resolving interference problems. For copies, write the FCC Public Service Division, 1919 M Street N.W., Washington, DC 20554 (ARRL Letter, 04/22/88)

THE LATEST CALLS ISSUED FOR THE STATESIDE, ALASKA AND HAWAII CALL AREAS WERE: AS OF 1 APRIL 1988

EXTRA	ADVANCED	GENERAL/ TECH	NOVICE
NQ1N	KC1IY	N1FPV	KA1RUS
WF2H	KE2FT	N2IBH	KB2FKF
NO3C	KD3HM	N3GCM	KA3SWX
AB4HM	KK4ZW	N4SMH	K4EKF
AA5FH	KG5IW	N5MJA	KB5FUB
AA6HS	KF6FF	N6RUN	KB6WSG
WM7M	KF7IV	N7KUR	KB7EKE
WD8X	KE8QZ	N8JJE	KB8EJW
NY9H	KE9JZ	N9HJN	KB9ALH
WGØ1	KEØUK	NØJCX	KGØCFX
HAWAII	AH6IY*	NH6OW	WH6BXK
ALASKA	AL7JS*	NL7NE	WL7BQY

* EXTRA CLASS ALSO ASSIGNED FROM THIS GROUP

END-OF-MONTH LICENSE TOTALS

CLASS	Feb. 1988	March 1988
EXTRA	44,205	44,617
ADVANCED	98,408	98,505
GENERAL	113,949	113,900
TECHNICIAN	94,361	95,256
NOVICE	82,390	82,705
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TOTALS	433,313	434,983

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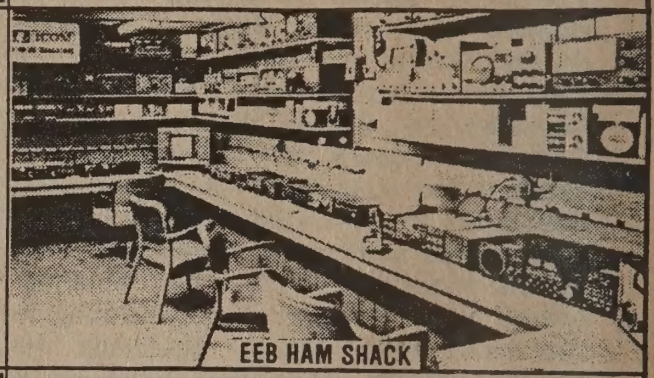
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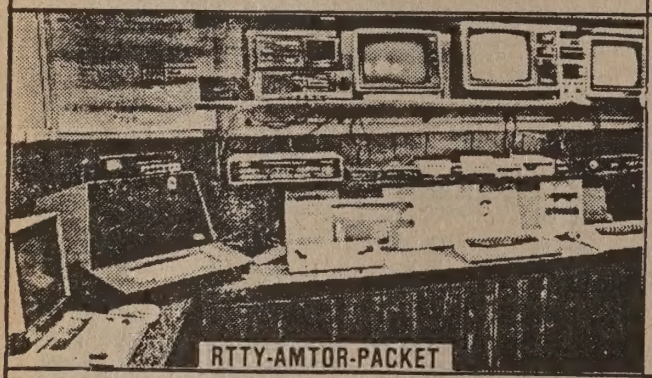
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American Radio Relay League Report

By John Swafford - W4HU

This ARRL Report provides a brief summary of information published in the ARRL LETTER *and other reports. The* LETTER *provides timely news of interest to active radio amateurs. Any League member may subscribe to the* ARRL LETTER.

ARRL FILES REPLY COMMENTS TO UPS. "There is nothing in the UPS comments which establishes anything unique about 220-222 MHz as a place to implement what the UPS describes as 'an advanced private land mobile telecommunications data network." This is one of the key statements in the League's reply comments to the late-filed comments of the United Parcel Service in Docket 87-14, the FCC proposal to remove the bottom two megahertz of the 220 MHz band from the amateur service.

In fact, UPS says in its comments that this network will take place initially in the 150 MHz band, spaced between wide-band FM channels. The only reference to any need for the 220-222 MHz band is that UPS "expects that it ultimately will need to use the channels in the 220-222 MHz band at issue in this proceeding in order to complete implementation of its system."

Our reply comments continue to emphasize that the 220-222 MHz band is critical for the development of packet links and also note that the number of repeater listings in the ARRL Repeater Director has increased from 1173 to 1421, an increase of 18% in one year, showing greatly increased pressure on the 220-222 MHz band segment. "The doubling of such stations in the band in only one year under the threat of complete disfranchisement attests to the urgent, unique need for that particular segment and the rate of growth of packet radio overall. Second, the nature and degree of loading at 222-225 MHz is such that relocation of the disenfranchised packet links, should 220-222 MHz be appropriated ...will not be possible."

Lastly, we concentrate on the lack of understanding by UPS of the technology and the nature of amateur operation generally. For example, UPS notes in its comments "the few repeaters which now operate within the 220-222 MHz band could easily be placed in other parts of the spectrum without undue coordination problems." Of course, it is not repeaters which will be displaced, but rather control links, weak signal operation and packet links. We take the opportunity to explain the importance of control and auxiliary links.

The League concludes by saying: "All that UPS has offered in this proceeding is a vague statement of support for the proposed appropriation of two megahertz of spectrum which has been repeatedly ...demonstrated to be of critical importance to the Amateur Radio Service ...Nothing submitted by UPS or any other commenter has established that the same goals which might to accomplished at 220-222 MHz could not be satisfied by use of either the 150 MHz band or the 30-50 MHz band."

FRENCH HAMS ON 6 METERS. French hams have been granted 6 meter (50 MHz) privileges.

Amateur Radio operators living more than 150 km from a TV transmitter may use the 50 MHz band, but with very low power. Here are some of the details: The permits are only issued to Class C, D, and E licenses. The frequency band is 50-51 MHz, and power is limited to 3-10 watts ERP, depending upon the distance from the station to the nearest TV transmitter. Authorized modes of operation are CW, SSB, RTTY, and packet, and only fixed station operation is permitted.

N1EOZ JOINS HQ PRODUCTION STAFF. Sheldon (Shel) Ball, N1EOZ, has recently joined the Production/Editorial staff at HQ. His duties include editing QST manuscripts and acting as editor for

Strays, YL News and Views, 50 and 25 Years Ago, and QST Profiles.

The folks in the Production Department were enjoying the aroma of maple syrup, when Shel told them he was from Burlington, Vermont!

First licensed in 1984 as KA1LMG, Shel holds a General Class ticket. He earned a BS degree in Communications Arts and Science from Lyndon State College in Lyndonville, Vermont. Welcome aboard Shel!

ARRL BEST SELLERS ANNOUNCED. Ever wonder what the top selling ARRL books are? Here's the top 10 best-selling ARRL publications list for 1987.

TITLE OF BOOK	Number Distributed
Repeater Directory	58,733
Tune in The World	57,926
Handbook	48,173
Tech/General License Manual	33,621
FCC Rule Book	28,154
Advanced Class License Manual	14,840
Operating Manual	14,574
Antenna Book	13,208
Net Directory	11,373
Extra Class License Manual	10,388

CENTRAL STATES VHF CONFERENCE CALL FOR PAPERS. The 22nd Central States VHF Conference is being held July 22-24 in Lincoln, Nebraska. ARRL will again be publishing Proceedings of this Conference. Last year there were 175 pages of articles on subjects ranging from VHF propagation to antennas to equipment design.

Amateurs active on VHF and above are invited to submit papers for publication in the 1988 Proceedings. Papers may be on any topic of interest to amateurs operating at 50 MHz and above. If you think you might like to prepare a paper for publication, contact Mark Wilson, AA2Z, at ARRL HQ for more information and an author's package. Submissions must be received at HQ no later than June 1, 1988.

For more information about this year's Central States VHF Conference, contact Roger Cox, WB0DGF, 3451 Dudley, Lincoln, NE 68503.

SKITREK UPDATE. For those interested in the Skitrek expedition, you should be aware that there are essentially two QSL cards available. One is for reception of the UoSAT OSCAR 11 Digitalker (navigation). These cards are very attractive, and together form a "dual" award for working both the expedition and listening to the navigation satellite!

USTTI COURSE HELD AT HQ. The annual Amateur Radio Administration Course was conducted at ARRL Hq April 11-15.

The course, sponsored by ARRL and the International Amateur Radio Union (IARU) under the auspices of the US Telecommunications Training Institute (USTTI), is designed to provide students with insights into the Amateur Radio Service and the Amateur Satellite Service, international regulatory structures, technical standards, and licensing procedures. The objective of the course is to help its graduates create, administer, and foster the Amateur Radio Service in their home countries.

Attending this session at ARRL HQ were students from Antigua, British Virgin Islands, Jamaica, and the Philippines. Principle instructor at the course was Richard L. Baldwin, W1RU, President of the IARU.

DAYTON AWARD WINNERS ANNOUNCED. The winners of the Dayton Amateur Radio Association (DARA) awards have been announced as follows:

Radio Amateur of the Year: Bill Bennett, W7PHO (SK). (Bill is the first instance of this, or any, DARA award being made posthumously). Bennett was noted for

creation of the Western Washington DX Club, and the DX Family Hour Net.

Special Achievement: Fred Hammond, VE3HC, for his assistance in getting stations from The Peoples Republic of China on the air, and for his work in setting up the antique radio museum.

Technical Achievement: Lew McCoy, W1ICP. This is in recognition for Lew's 28 year career with ARRL, and specifically his easy-to-understand construction projects that assisted new amateurs to understand the technical aspect of the hobby.

W1AW WILL COVER THE PHASE 3C LAUNCH. W1AW will participate in the coverage of the Phase 3C launch. Information bulletins, prepared by WA2LQQ, will be carried on regular bulletin schedules, and live coverage will occur during the actual launch, now scheduled for June 1.

JOB OPPORTUNITIES AT HQ. Three openings exist in the Technical Department at HQ. Needed are licensed (and experienced) amateurs with a Bachelors degree in science or engineering, or equivalent experience.

One of the openings is for a **Lab Supervisor.** Candidates must have sufficient experience in industry to know laboratory procedures and test standards, and have the ability to train and counsel laboratory personnel. The ideal candidate would have a design background, and an ability to work with experimenters in the field. Starting salary is $25,012; excellent benefits. Contact Chuck Hutchinson, K8CH, at HQ.

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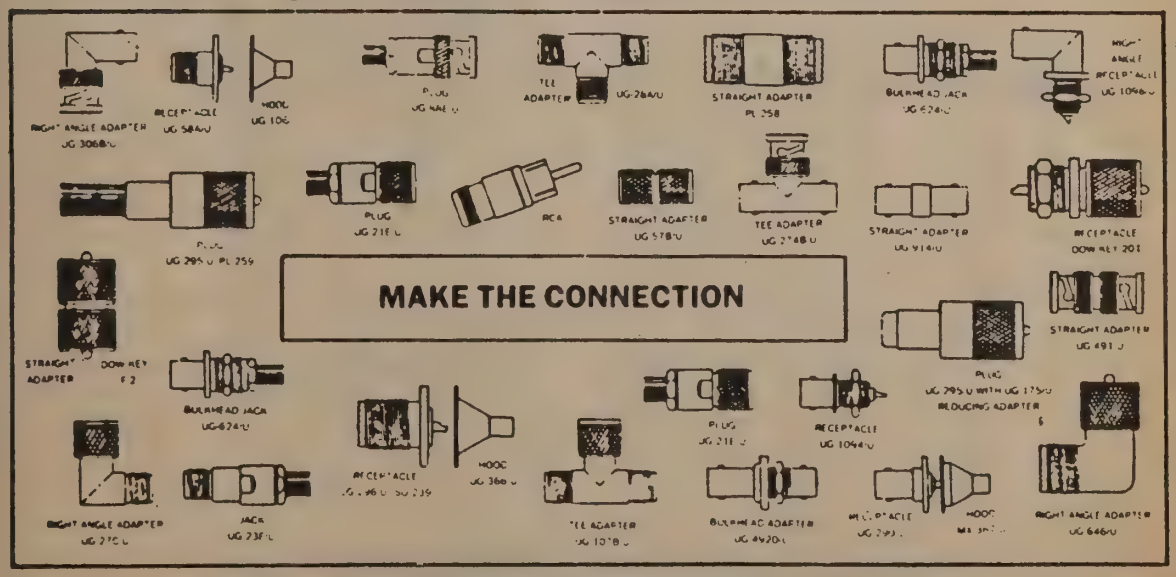

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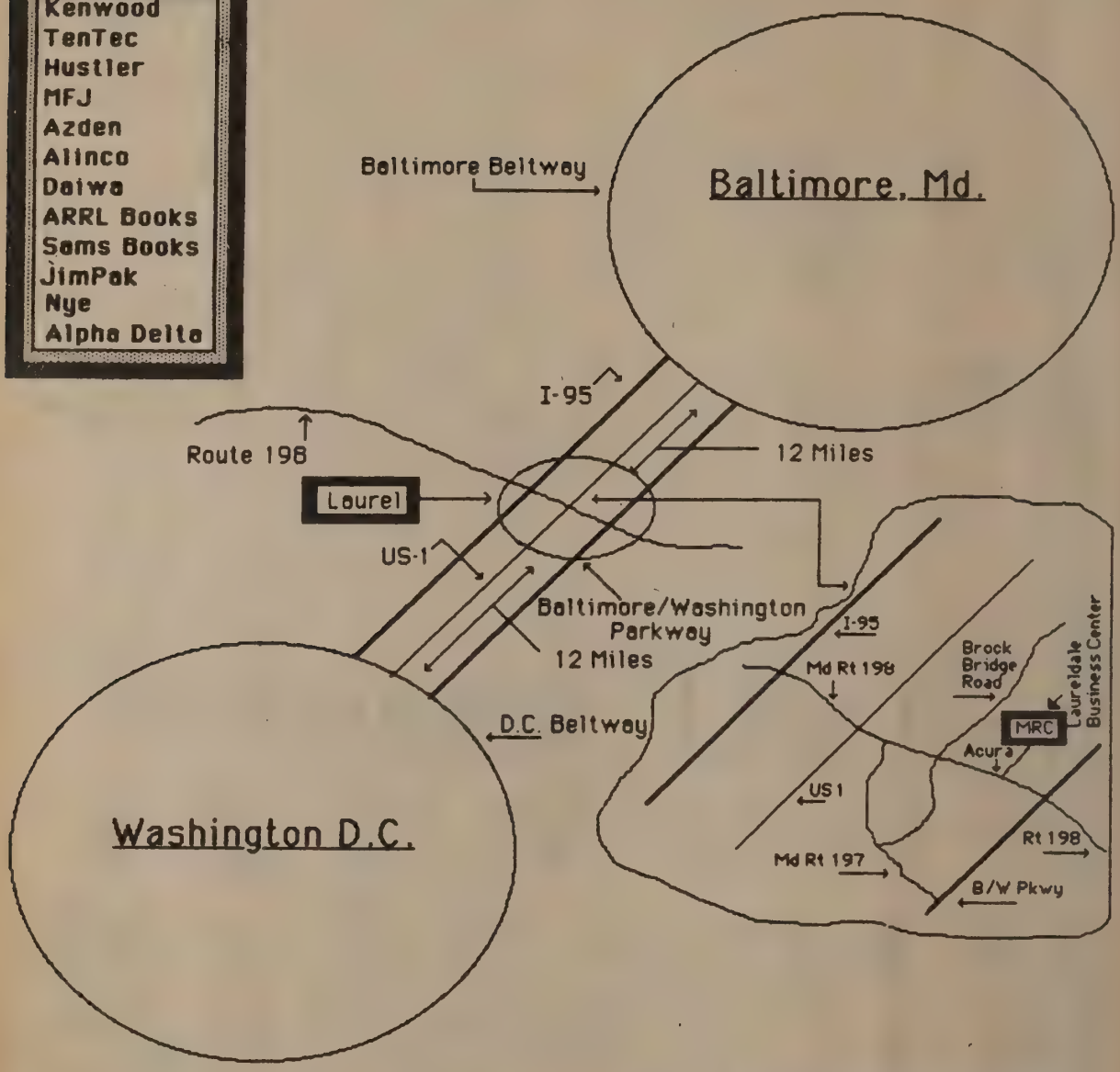
- JimPak
- Nye
- Alpha Delta



Yes, we do have a service shop !

Our hours are : Monday - Friday : 10AM - 7PM
Saturday : 9AM - 5PM
Closed Sunday

PUBLIC SERVICE REPORT

FCC Regulations 97.1: "The rules and regulations in this part are designed to provide an amateur radio service having a FUNDAMENTAL PURPOSE . . . SERVICE TO THE PUBLIC as a voluntary noncommercial communications service, particularly with respect to PROVIDING EMERGENCY COMMUNICATIONS."

Jeff Wilkes, W4NFA

--- AAA SCHOOL SAFETY PATROL PARADE ---

A sunny and mild Saturday morning greeted the hams who gathered at 4th and Madison in the District on 7 May 1988, for briefing and assignments to support the annual AAA School Safety Patrol Parade. Due to the fine weather, a huge crowd of residents and tourists was on hand--many of whom were unaware that there was a parade scheduled and asked for information from the hams whom they appeared to quickly identify as being parade official. The parade had a much larger turnout than in previous years with units representing all D.C. school districts as well as surrounding Maryland and Virginia districts. The 211 units were made up of Junior and Senior High School Bands, D.C. National Guard Drill Team, Police Cruisers representing Police Depts. sponsoring the safety patrol groups in the parade, Explorer Scout units, Camp Fire Boys and Girls, Metro Police Cadets, floats and vehicles carrying a multitude of police and school officials, Grand Marshal Mrs. Lisa Williams and Junior Marshal Kristin Godown (patrol lifesaver), and members of each school's safety patrol often accompanied by school drill teams and cheerleader squads.

Dianne N3EKB, Jeff W4NFA, Margaret N3FKF, Janice WB3KFA, and Mike N4LSP left the 0830 briefing to assume their positions in the formation areas located on the mall on both sides of 7th St. between Jefferson and Madison. After identifying themselves to the D.C. Police officer in charge of each area, they began assisting the process of locating and lining up units in their preplanned marching order. Units began arriving at 1900 and the first group was scheduled to leave the ALPHA formation area at 1000. As each area emptied, the next area was to be ready to follow to keep the parade moving without long gaps. The formation area net was established on 147.54 simplex with Al KN3U operating as net control from the Montgomery ARC ARES/RACES van which was already set up on the mall as a SKYWARN display as part of a NOAA exhibit which had been participating in a weekend Public Service exhibition.

Traffic from the formation areas was primarily directed to the Formation Area Coordinator Sgt. Lewis who was shadowed by Dave KB4ERF. Changes in lineup were passed from the formation areas to Tom N4BYF at the reviewing stand where the judging of the units took place, and to the starter via Steve N3CEK.

After the parade units left the formation area, they were handed over to the verification net on 145.47-. As each unit reached the parade starting line at 7th and Constitution, their order was reconfirmed and relayed to the rest of the net by N3CEK and signaled to step off with the right spacing. Jake AB3A at 14th and Constitution contacted each parade unit in route and instructed them to speed up or slow down as necessary to maintain the correct flow, identified problems, and watched for medical problems among the units or in the crowd. Tom N4BYF at the reviewing stand kept the judges appraised of changes in the lineup and status of the progress of the parade as well as relaying instructions from the judges.

(Continued)

After passing the reviewing stand at 16th and Constitution, the parade units entered the dispersal area between 17th and 18th to rejoin their transportation for departure. Assisting in the dispersal operation was Jim NI3G. Verification net control operator was Mike WB3LHT also operating from the Van.

In addition to the normal operations traffic, a Red Cross Ambulance manned by Ben N4SFG was dispatched three times to assist people with minor medical problems. The last unit departed area ALPHA at 1342, about one hour behind schedule, and the all formation areas were closed. By 1500 the parade was completed and all stations secured. The hams gathered back at the van for a group photo with parade communications coordinator Ken N3AQG,and agreed that it had been a fine, enjoyable operation.

--- SO. PG CO. ARES ---

During the first quarter of 1988, the Southern Prince Georges Co. ARES group has been very active. As a result of initial mailings of a recruitment letter sponsored by the County Office of Emergency Preparedness, several new operators have joined ARES. Future mailings are planned.

The group continues to regularly participate in the monthly Maryland State RACES exercise. The training experience and planning insight from these operations has been very helpful. For the immediate future, staffing of the exercise is a shared responsibility of both Northern and Southern Co. ARES groups.

Another significant area of cooperation with the County Office of Emergency Preparedness is the recent installation of a 40 amp., 12 volt power supply and two new GE Phoenix 40 watt VHF FM transceivers at the amateur radio operator positions in the emergency operations center. These commercial grade radios are programmed with many of the 2 meter repeater frequencies in Maryland, as well as a number of simplex and packet frequencies. They are equipped with desk microphones, headsets and boom mikes, and with foot PTT switches to ease operating in emergency traffic-handling situations.

These rigs have been dedicated for amateur radio emergency use only and represent the commitment of official county government agencies to amateur radio. Planning for a permanent packet set-up and an HF station are in development.

George KA3KIF, Pat N3EQJ, and Ed KA2FWJ attended the Regional EC Conference at WINTERFEST <tm> on behalf of the group. George was recently awarded an ARRL Certificate of Merit by Gould KA3DUE, Southern PG Co. EC, for his contributions to ARES as an Assistant EC over the past three years. Dave W3IDL is now our net manager. Ed KA2FWJ, formerly net manager, is now technical advisor for the group.

In March, ARES went on standby in response to a chemical spill on I-95 in the northern part of the County, but no emergency activation occurred. Training activities continue with the nets and at the monthly eyeball meetings. Jim WB3KKO has been presenting an ongoing series of lessons on message handling and procedures.

The So. PG Co. ARES welcomes the participation of all Co. amateurs. Nets on Mondays, 28.425 MHz USB at 2100 local (Novices welcome) and Thursdays (except the 4th Thurs. of the month), 147.75- at 2100 local. Eyeball meeting on 4th Thursday of each month, 1930 local at the County Emergency Operations Center. Maryland State RACES exercise on 2nd Tuesday on each month, 1930 local at County Emergency Operations Center

-reported by Pat N3EQJ, AEC

--- NEW BOOK FROM ARRL ---

The ARRL has just published a new book "Special Events Communications Manual." Much of the book consists of reprints of QST articles describing various public service operations (eg. the 1984 Los Angeles Olympics, the Pittsburgh Marathon.) The reprints are augmented by a number of sections offering tips of a general nature extracted from the specific events described in the articles. There is also a useful chapter entitled "Is It Legal?" Finally, several hams who have organized some of these major operations tell in their own words how they did it. The eleven page article by the organizer of the New York City Marathon is worth the whole price of the book ($ 5.00 from ARRL.) -reported by Al KN3U

--- MD-DC ARES HAPPENINGS ---

W3DFW of Allegany Co. can be reached on the new WA3WSW packet PBBS in Cumberland. Gay is planning two upcoming public service events as well as operations with County Civil Defense.

N3AJJ of Cecil Co. reports that the RACES Radio Officer agreed to supply Emergency Management passes to active ARES members.

NF3X of Washington Co. established contact with the Red Cross and is preparing a communications plan for them. He has also been meeting with the County Civil Defense Director to better define RACES/ARES relationships and functions.

W3WPY of Queen Annes Co. reports that ARES membership is up to two! They participated in a tabletop exercise with County Department heads and will be involved in an upcoming field exercise.

-reported by Al KN3U, Md-DC SEC

--- GETTYSBURG ANNIVERSARY ---

The Penn-Mar Radio Club and the Adams County Amateur Radio Society will be establishing an emergency radio network for support communications during the upcoming 125th remembrance of the Battle of Gettysburg on June 22-26, 1988.

Approximately twenty portable/mobile stations as well as stations located at the Adams Co. Operations Center at the Gettysburg Courthouse, will be in use during the weekend. Additional stations will be on the air to handle health and welfare traffic for the eight thousand people expected to take place in the battle re-enactment. These people will be coming from the Fairfax, Va. area and will be at local campgrounds--in some cases out of reach of their families. Packet radio stations will be connected to the National Traffic System to provide this service to participants. 180 to 200 hams are needed per day to staff the entire network. The local clubs will need the services of as many hams as possible who can volunteer their time and effort to participate in this history-making event. In additional to the public service operation, special event Field Day stations will be set up over the weekend so that the volunteers can participate in Field Day. The ARRL Eastern Pennsylvania Section is providing support to the local hams through the Section ARES structure. Help is also coming from neighboring Maryland/DC, Northern Virginia, and Western Pennsylvania. If you would like to participate, contact Joe WB4WZZ at 241-0078 or you EC.

-from April 1988 ARRL Field Forum

(Continued)

MARYLAND HAMFEST

AND COMPUTER FEST

SPONSORED BY THE

BALTIMORE RADIO AMATEUR TELEVISION SOCIETY

SUNDAY, JULY 31, 1988

OPEN FOR SET-UP, SUNDAY AT 6 A.M.
DEALER SET-UP BEGINS SATURDAY AT 2 P.M.

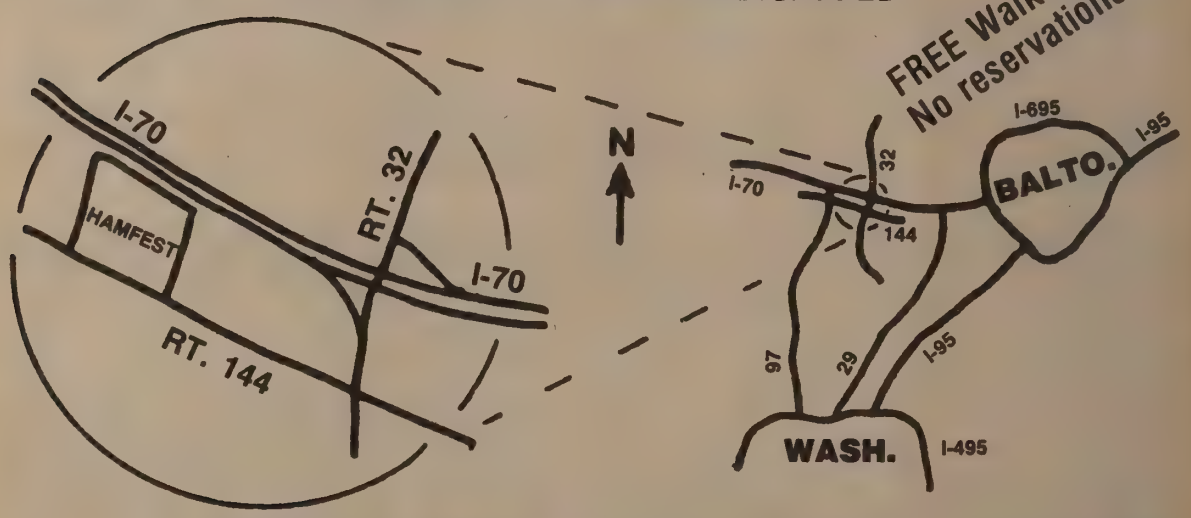
AT THE

HOWARD COUNTY FAIRGROUNDS

15 miles WEST of BALTIMORE
just off I-70 at RT. 32 on RT. 144

ACCESSIBLE TO THE HANDICAPPED

FREE Walk-in VE Exams
No reservations Needed!



GIANT FLEA MARKET INDOOR/OUTDOOR EXHIBIT AREAS

GOOD FOOD REFRESHMENTS COMPUTERS RAIN OR SHINE

TALK-IN: 146.16/76
147.63/03
146.52

TAILGATING
TABLES AVAILABLE

KIDS UNDER 12 FREE!

FOR INFO & RESERVATIONS,
WRITE: BRATS
P.O. BOX 5915
BALTIMORE, MD 21208

--- AMERICAN DIABETES SOCIETY BIKEATHON ---

On May 1, PG County ARES provided communications for the American Diabetes Bikeathon from 0900 to 1500 at the Beltsville Agricultural Center. 29 bikers supported by as many volunteers and officials traveled around the 25 mile course. W3DQI, K3IOG, W3HCK, KA3PYI, KA3NEH, and N3FKF provided communications for the event. The operation went smoothly and except for a few muscle strains and sprains, there were no medical emergencies. The net used 147.54 simplex primarily, with 146.88- repeater providing coverage at times when simplex was spotty.

-reported by Pud W3DQI, EC

--- ANERCOM MEMBERS NAMED ---

ARRL President Larry W4RA, has named long-time emergency communications advisor Jerry Boyd, KG6LF, to chair the new ARRL National Emergency Response Committee (ANERCOM.) ANERCOM, formed to address needs identified in the wake of the Mexico City earthquake, will use the data developed by other committees, notably the former Blue Ribbon Committee on Emergency Message Handling, in concluding recommendations.

Jerry's committee includes well-known experts Joel KI4T, Steve WA4VWV/9, Geri N4GHI, and Dale W5RXU. Pacific Division Director Rod KB6ZV, serves as liaison to the ARRL Board of Directors. Mike KX1B, former Public Service Manager and now Assistant to the Executive Vice President, is ARRL HQ liaison.

In a February 17 release, Jerry reported on the tasks to be undertaken by the committee:

* Study provisions for integrating all volunteer amateur radio emergency communications under ARRL.
* Develop a system for interfacing with served agencies.
* Provide inputs as to feasibility of dispatching emergency response team/-equipment to crisis areas.
* Review the ARRL Headquarters Emergency Operations Plan.

Jerry said "it is important that our work reflect not only our own thoughts, but include input from throughout the Amateur Radio fraternity." All ARRL members are encouraged to provide, as soon as possible, input to members of ANERCOM.

-from April 1988 ARRL Field Forum

--- LAUREL MAIN STREET FESTIVAL ---

For the second year, the Laurel ARC provided communications for the Laurel, Md. Main Street Festival. From 0700 to 1700, 25 members shadowed Main Street Committee members and manned positions throughout the festival area. The net control at the club booth was set up to demonstrate Amateur Radio to visitors.

Most of the communications operation was between 0700 and 1000 as the various vendors were setting up and a myriad of logistics problems had to be solved by Main Street Committee Members. There were no medical emergencies or lost children, so after 1000 traffic on the net was light. 147.54 simplex was used throughout the day. Five new hams had their first taste of public service operations. It was a fine day, and an enjoyable operation for all. W3DQI and K3IOG coordinated the communications operation. K3LDE was net control operator assisted by W3GFS. It is impractical to list all the hams involved, but you and the club know who you are-thanks for a fine job.

-reported by Pub W3DQI, EC

--... ...-- -.. . .-- ....- -. ..-. .-

NATIONAL CAPITAL AREA AMATEUR RADIO EMERGENCY SERVICE:

Va. Section EC: Earl Bishop, N4EXQ, (804)270-7564

National Capitol District EC: Harry Jones, N4CWP
(703)521-4624
Fairfax Co. EC: Joe Peters, WB4WZZ (703)241-0078

Vienna Asst. EC: & editor of Public Service Report: Jeff Wilkes, W4NFA
9809 Meadow Dale Ct.
Vienna, Va. 22180
(703)281-4249
Mt. Vernon Asst. EC: Steve Schneider, WB4EEA (703)683-6570
Alexandria EC: Chuck Rexroad, N4HCP (703)971-0348
Arlington Co. EC: Craig Church, N4EFJ (703)979-8325
Prince William Co. EC: Harry Vorhauer, W4PVA (703)368-6050
Loudoun Co. EC: Bill Roemer, K3CUU (703)395-4905

Virginia District #1 DEC: Walt Quitter, NC4B (703)869-5241
Frederick Co. EC: Steve Czaikowski, WB4ZTR (703)869-3674
Warren Co. EC: Tom Strickler, K4JNA (703)635-3035

.....

Maryland-DC SEC: Al Taylor, KN3U (301)251-9464
Maryland-DC ASEC: Ross Merlin, WA2WDT (301)983-2842
Md. State RACES Officer: Joe Nollmeyer, W3YVQ (310)352-9073
Dist. of Columbia EC: Ken Williams, N3AQG (202)363-4234
Military District of Washington: Frank Hartnett, KA8PUU (703)642-5516
Allegany County EC: Gay Rembold, W3DFW (301)724-0674
Anne Arundel Co. EC: Kurt Fritsch, WA3TOY (301)768-7903
Baltimore City/Co. EC: Cam Whetstone, WA3YOH (301)486-2609
Calvert Co. EC: Woody Schwartz, W3ZNW (301)535-1281
Caroline Co. EC: VACANT
Carroll Co. EC: John Culleton, KC3FK (301)795-1159
Cecil Co. EC: Bill Doss, N3AJJ (301)287-5897
Charles Co. EC: Gould Turney, KA3DUE (301)868-3374
Dorchester Co. EC: Alan Waller, K3TKJ (301)943-8477
Frederick Co. EC: Rick Ogden, N3RO (301)845-2670
Garrett Co. EC: VACANT
Harford Co. EC: Steve Uhrig, WA3SWS
Howard Co. EC: Mike Carr, WA1QAA (301)799-0403
Kent Co. EC: Jim Bortner, WA3UJE (301)778-0589
Montgomery Co. EC: Hank Black, N3ESR (301)340-8595
N. Prince Georges Co. EC: Pud Reaver, W3DQI (301)498-6293
S. Prince Georges Co. EC: Gould Turney, KA3DUE (301)868-3374
Queen Anne Co. EC: Walter Brink, W3WPY (301)643-2933
Somerset Co. EC: Howard Cann, KA3MRX (301)651-2845
St. Mary's Co. EC: Al Barolet, KJ3E (301)862-3201
Talbot Co. EC: VACANT
Washington Co. EC: Pete Humphrey, W4FBA (301)739-5540
Wicomico Co. EC: Larry Murphy, NE3Y (301)543-2968
Worcester Co. EC: Bud Kilgore, KX3J (301)641-4291

THE MARYLAND FM ASSOCIATION, INC.
PROUDLY PRESENTS ITS ANNUAL

MEMORIAL DAY HAMFEST ON SUNDAY MAY 29, 1988

AT THE HOWARD COUNTY FAIRGROUNDS RT. #144, WEST FRIENDSHIP, MARYLAND

For reservations and information, write to:
Craig Rockenbauch
429 Severnside Drive
Severna Park, MD 21146
301-987-6042

Amateur License Exam Reservations
Steve Silberman (K3RMX)
301-578-8527

All proceeds will be used for improvements to the Club's WA3DZD repeater system.

Commercial vendors must have proper tax/license certificates available.
All items offered for sale must be Amateur Radio related.

PUBLIC SERVICE CALENDAR

6/11 - 6/12/88: Old Dominion 100 Mile Ride and Run; Dave N4JGQ 938-3058

6/20/88: National Capital ARES (NCARES) Council Meeting; 1915 at D.C. Red Cross Chapter House Board Room 2021 E St. NW

6/22 - 6/25/88: Gettysburg Reenactment; Joe WB4WZZ 241-0078

7/4/88: Fairfax City July 4th Parade; Joe W4LBL 273-2188

7/18/88: NCARES Council Meeting; 1915

8/15/88: NCARES Council Meeting; 1915

Material for PUBLIC SERVICE REPORT can be left at W4NFA-1 PBBS on 145.07 or mailed to 9809 Meadow Dale Ct., Vienna, Va. 22180. Deadline for receipt of material is the fifth of the month

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PEGASUS MESSAGE CORPORATION, a new mobile data communications carrier located in Northern Virginia, has immediate opportunities for qualified individuals to participate in the development of our nationwide network:

DIRECTOR, RF HARDWARE ENGINEERING

Pegasus Message Corporation is deploying a nationwide R.F. based communications network. We are currently seeking a Director, R.F. Hardware Engineering to play a key role in upgrading the performance of a state-of-the-art digital mobile communications network. In addition to performing systems engineering functions, this position is also responsible for evaluating and applying new technologies to new products and new markets, and providing technical direction to outside vendors as required.

A BSEE degree is required, as well as a minimum of 10 years experience in R.F. engineering. An advanced degree would be a plus, as would experience as an amateur radio operator. Experience in the fields of VHF antenna design and mobile radio communications is also desirable.

We offer a competitive salary and fringe benefits program, as well as the opportunity for equity participation in a rapidly growing and successful company. If you are interested in applying for this position, please send your resume to:

PEGASUS MESSAGE CORPORATION
13873 Park Center Road, Suite 187
Herndon, VA 22071
Attention: Dept. 20

VHF FIELD ENGINEER

Pegasus Message Corporation needs VHF Field Engineers to manage all phases of its mobile digital communications system installation and commissioning. Minimum of 5 years VHF/UHF experience required plus mechanical aptitude. Military, commercial or tech-school needed in addition to good customer relation skills. Requires extensive US travel and minimal supervision.

We offer a competitive salary and benefits program. If you are interested in applying for this position, please send your resume to:

PEGASUS MESSAGE CORPORATION
13873 Park Center Road, Suite 187
Herndon, VA 22071
Attention: Dept. 65

FOUNDATION FOR AMATEUR RADIO

Volunteer Examiner Cooperative

Nancy Draheim - NK4U
3513 Old Post Road, Fairfax, VA 22030
(703) 691-0078

SCHEDULE OF EXAMINATIONS
1988

IMPORTANT NOTE: Certificates of successful completion for theory tests are not always accepted. Check with the contact person for the exam you wish to take.

May 29 Maryland FM Assn Hamfest (Howard County Fairgrounds) (Laurel VEC)
Contact: Steve Silberman, K3RMX (301) 578-8527

June 4 University of Maryland ARC (College Park, MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld - NF3I (301) 963-4008

Virginia Beach Amateur Radio Club (ARRL exam)
Contact: Tom Weikel - KA4UNC (804) 340-7697

June 11 Peninsula Radio Operations Society (Salisbury, MD) (Laurel VEC)
Pre-registration preferred
Contact: John Luppert, K3NOQ (301) 749-7444

June 16 Baltimore ARC (Towsen, MD) (Laurel VEC) Walk-in
Contact: Ron Derencz (301) 765-2843

June 18 Ole Virginia Hams ARC (Manassas, VA) (ARRL VEC) Walk-in
Contact: Harry Vorhour - W4PVA (703) 368-6050

July 9 University of Maryland ARC (College Park, MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld - NF3I (301) 963-4008

Geo Wash U & Dept of State ARCs (Washington DC) (ARRL VEC) Walk-in
Contact: Derrill Rohlfs - W3WOX (301) 423-0179

Massanutten ARA/Valley ARC (Harrisonburg, VA) (ARRL VEC) NO Walk-ins
Pre-registration required 3-4 weeks in advance.
Contact: Wayne Miller - KB4WOM (703) 867-5428

July 16 Chesapeake DX Association (W5YI exam)
Contact: Bill Verebely - KC4YX (804) 424-4764

July 23 Richmond ARC (Richmond, VA) (ARRL VEC) Walk-in
Contact: Ron Bolton (804) 798-5191

July 31 BRATS HAMFEST (Howard County Fair Grounds) (Laurel VEC)
Contact: Jim Kessler, KQ3S (301) 953-1065

(Continued on page 22)

This schedule of Examinations can be found each month in Auto-Call Magazine

Aug. 6 University of Maryland ARC (College Park, MD) (W5YI VEC) Walk-in
Contact: Scott Rosenfeld - NF3I (301) 963-4008

Hampton Roads Radio Association (W5YI exam)
Contact: Bill Runyon - N4BDH (804) 587-8611

Seaford, Delaware (Laurel VEC) Walk-in
Contact: Richard Osborne - KV3D (302) 629-0607

Aug. 7 Shenandoah Valley ARC (Middletown, VA) (ARRL VEC) Limited Walk-in
Contact: Walt Quitter - NC4B (703) 869-5241

Aug. 13 Frederick ARC (Frederick, MD) (ARRL VEC) Limited Walk-in
Contact: Rick Ogden (301) 845-2670

Aug. 18 Baltimore ARC (Towsen, MD) (Laurel VEC) Walk-in
Contact: Ron Derencz (301) 765-2843

Sept 10 Peninsula Radio Operations Society (Salisbury, MD) (Laurel VEC)
Pre-registration preferred
Contact: John Luppert, K3NOQ (301) 749-7444

Montgomery/Montgomery College/Rock Creek ARC (Germantown, MD)
(ARRL VEC) Walk-in
Contact: John Muller, W3QF (301) 654-0178

Richmond ARC (Richmond, VA) (ARRL VEC) Walk-in
Contact: Ron Bolton (804) 798-5191

Sept 18 Baltimore Radio Amateur TV Society (Baltimore, MD) (Laurel VEC)
Contact: Steve Silberman, K3RMX (301) 578-8527

Oct. 20 Baltimore ARC (Towsen, MD) (Laurel VEC) Walk-in
Contact: Ron Derencz (301) 765-2843

Seaford, Delaware (Laurel VEC) Walk-in
Contact: Richard Osborne - KV3D (302) 629-0607

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While most examinations are offered on a walk-in basis,
preregistration is desirable in all cases.

ALL EXAMINATIONS REQUIRE THAT YOU SUBMIT:
Completed FCC Form 610 and
Copy of your current Amateur Radio license (bring original license).

For ARRL VEC exams, you must also submit a $4.55 check made out to ARRL/VEC
For Mountain VEC Exams, Novice tests are free. All others are $2.00
For W5YI VEC Exams, the cost is $4.35.
For Laurel VEC exams, no charge.

This schedule of Examinations can be found each month in Auto-Call Magazine
Please advise NK4U of your examination schedules.

Training Classes

Robert Milligan - KI4MB
6608 N. 18th Street Arlington, VA 22205
Phone (703) 533-0650 (Home), (703) 534-1319 (Recorder)

This column lists all known Amateur Radio license courses in the greater Washington/ Baltimore area and the name and phone number of contact persons at participating clubs. Please keep KI4MB advised of any changes so we can keep this list up-to-date

Novice Classes, Winchester, Virginia. Sponsored by Shenandoah Valley ARC. Starting August 29 and meeting every Monday from 7:00 p.m,. to 9:00 p.m. through November 14 at SVARC Clubhouse, 2921 Grace Street, Winchester, VA 22601. For information contact Walt Quitter - NC4B at 367 Buckingham Drive, Stephens City, VA 22655. Phone (703) 869-5241 days.

Novice Classes, Vienna, Virginia. Sponsored by Vienna Wireless Society. Starting in September. Time and dates to be announced. Contact: Dave Guffy (703) 385-6608.

General/Advanced Classes, Woodbridge, Virginia. Sponsored by Woodbridge Wireless, Inc. Starting Thursday, May 12. For information contact Tim Ferrell - AF2T (703) 590-5226.

Novice Classes, Montgomery County Department of Recreation, sponsored by Rock Creek Amateur Radio Assn. Starting the week of 22 March. For further information and registration call 468-4050.

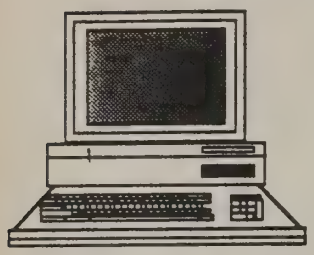
GENERAL INFORMATION

Alexandria Radio Club - contact Harry Jones - N4CWP (703) 521-4624
Anne Arundel - contact Tony Young - WA3YLO (301) 262-1917
Baltimore ARC - contact Ralph Huber - KA3HAM (301) 321-5748
Baltimore Radio Amateurs TV Society (BRATS) - Contact Bill Self (301) 669-0149
Chaverim, Inc. - Contact Bob Teitel - W3IDT - (301) 654-3484
Frederick ARC - contact Steve Bauman - W3FOA - (301) 662-4552
Goddard ARC- contact Chris Spinolo - KA3RTC - (301) 776-5710
Laurel ARC - contact Frank Treadwell - K3LDE (301) 498-2213
MADRAS - contact Renee Culver - KC3NG (301) 949-9220
Montgomery County Department of Recreation - (301) 468-4050
Mount Vernon ARC - Contact John Forrest - WZ4A (703) 820-3044
Rock Creek ARA - contact Walt Ramsey - AK3B (301) 949-3954
Shenandoah Valley ARC - contact Walt Quitter - NC4B (703) 869-5241
Southern Maryland ARC - Contact Bob Curran - KA3GCC (301) 627-3040
Sterling Park - contact Art Nevins - WA4NTP (703) 437-9382
Tri-County ARC - contact Al Sines - WA3QGA, P.O. Box 710, College Park 20740
Vienna Wireless - contact Dave Guffy - NY4V (703) 385-6608
Washington Adventists - contact Henry Miller - W3BWN (301) 474-7376
Woodbridge Wireless -contact Tim Farrell - AF2T (703) 590-5226

This column is published in each issue of the Auto-Call magazine.
Local clubs are urged to list their training programs
far enough in advance for effective publicity.

THE OLE VIRGINIA HAMS A.R.C., INC. ANNOUNCE
THE FOURTEENTH ANNUAL

MANASSAS HAMFEST



AND

COMPUTER SHOW

AN ARRL APPROVED HAMFEST

SUNDAY, JUNE 5, 1988

*** CONCESSIONS *** SPECIAL ACTIVITIES *** TAILGATING ***

GENERAL ADMISSION -
$5.00 per-person at gate
No advance sales
Children under 12, free
Gate opens at 8:00 a.m.

FOOD -
Breakfast and lunch menus
Available during the Hamfest
Moderate Prices
Concessionaire: Parkwest Lions Club

TAILGATING -
$5.00 per-space
in addition to general admission
Ample room - 25 Acres
Gates open at 7:00 a.m.

SPECIAL ACTIVITES -
YL Programs
CW Proficiency Awards

PRINCE WILLIAM COUNTY FAIRGROUNDS 1/2 MILE SOUTH OF MANASSAS ON ROUTE 234, TALK IN ON 146.37/97 REPEATER AND 146.52 SIMPLEX

From Baltimore:
I-95 to I-495 (DC Beltway) to I-66. West on I-66 to Manassas exit (Rt. 234). Rt. 234 South 7 miles, through Manassas to fairgrounds.

From Frederick:
I-270 south to I-495 (DC Beltway) to I-66. West on I-66 to Manassas exit (Rt. 234) Rt. 234 South 7 miles, through Manassas to fairgrounds.

From Winchester:
Take Rt. 50 East to Rt. 15. South on Rt. 15 to Rt. 234. South on Rt. 234 through Manassas to fairgrounds.

From Richmond/Fredericksburg
I-95 North to Rt. 234 exit. North on Rt. 234 16 miles to fairgrounds.

ACCOMMODATIONS -
Olde Towne Inn in Manassas; Holiday Inn, Ramada Inn and Econo lodge at I-66 & Rt.234 Interchange. Camping at Prince William County Forest (Rt. 234 near I-95 Interchange)

DEALERS INFORMATION -
Joe (K4FPT) 703-791-6198

GENERAL INFORMATION -
Randy (KA4UFF) 703-791-3061

Coming Events

MARYLAND FM ASSOCIATION HAMFEST
May 29

The Maryland FM Association proudly presents its annual Memorial Day Hamfest at the Howard County Fairgrounds. See page 16 for full details.

MANASSAS HAMFEST & COMPUTER SHOW
June 5

Prince William County Fairgrounds 1/2 mile south of Manassas on Route 234. See Page 24 for full details. Talk-in 146.37/97 Repeater, 146.52 Simplex.

METROVISION ANNUAL PICNIC
June 11

Come to beautiful Accokeek, Maryland. See ad on page 30 for full details.

AFCEA AMATEUR RADIO OPERATOR'S LUNCHEON
June 15

The Armed Forces Communications and Electronics Association (AFCEA) Annual Amateur Radio Operators Luncheon will be held on Wednesday, June 15th at the D.C. Convention Center. See ad on page 36 for details.

FREDERICK HAMFEST
June 19

GETTYSBURG RE-ENACTMENT
June 22-26

The battle of Gettysburg will be re-enacted during the week of its 125th anniversary. The Penn-Mar Radio Club and the Adams County Amateur Radio Society will be providing approximately 200 operators per day to staff the network of emergency and support radio network. To volunteer, contact Ron Paull, N3ECL at (717) 528-8412.

FIELD DAY
June 25-26

CONSTITUTION BICENTENNIAL PROGRAM
June 26-30

During the last week of June the Shenandoah Valley ARC will be holding a special event in celebration of the Bicentennial of Virginia's signing of the U.S. Constitution. The club will be using the call sign W2ØØRKC instead of W4RKC.

WEST VIRGINIA STATE CONVENTION
July 2-3

West Virginia State Convention Jacksons Mill, West Virginia. Details next month. For information contact West Virginia Radio Council, Dick Fowler - N8FMD.

Silent Keys

John G. Miller - W4OOL

"Uncle Pete" Miller -W4OOL was one of the charter members of the Shenandoah Valley ARC. He was an active and much loved member of the Winchester ham community. He will be missed.

(Submitted by SVARC)

James Politte - KA4KIP

James (Jim) Politte - KA4PIK died April 21 of a heart attack. He was 49. A contracting officer for the Agency for International Development since 1971, he was Chief of the Asia and Near East Branch of the Office of Procurement, Overseas Division. Jim was a native of Washington, Missouri. Following Army service, he remained in the Army Reserve where he held the rank of Lt. Col. to the time of his death. Burial was at Arlington cemetery. He is survived by his wife, Shirley and three children: James, Jr.; Matthew and Cecile.

(Submitted by Bryan Cordray - WA5SPI)

John Wadden - W3MHH

John Wadden - W3MHH died April 20. John, "Mike, Hotel, Hotel," was born in Lanesboro, Minnesota and attended La Crosse State College in Wisconsin. He worked for the Immigration and Naturalization Service, first in Detroit, beginning in 1940, then in Philadelphia and, since 1948, in the Washington DC area. John retired from INS in 1981. His Amateur Radio days had begun in 1931 and, more recently, John was active in the Intercontinental Net and regularly attended their conventions. He was also a regular check-in in the Department of State Amateur Radio Club Foreign Service Net. In October 1983, John helped handle traffic from Grenada. The Washington Post wrote of his involvement in that crisis as "ham radio communications became a primary source of immediate and direct information from Grenada." The Post characterized John as "a white-haired, gentle-mannered man." All who know John would say "Amen," and add that he was always sincere and especially gracious, a dedicated Amateur, a dear friend. John is survived by his wife, Beverly, five sons, two daughters and two brothers. (Submitted by Conrad Eaton - K7CHC)

Betty Aylor - W3SLS

Betty Aylor - W3SLS died May 13 of sarcoidosis. She was licensed in 1951 and was a member of the QCWA, the YLRL and the Washington Area YL ARC (WAYLARC). She was a Justice Department stenographer from 1945 to 1951. After her retirement she became active in a number of volunteer organizations and several area garden clubs. She is survived by a son, Raymond III and two daughters, Patricia and Roberta Aylor.

Col. Willet ("Sparky") Baird

Colonel Baird died suddenly on March 6 at the age of 86. "Sparky" never became a Ham but was well known throughout the Amateur community through his association with AFCEA. He was in leadership positions in AFCEA from 1956 to 1974 and served as General Manager and as editor of "Signal" magazine. His involvement at AFCEA continued to the end. During his career he amassed a number of awards and citations, including the Department of Defense Medal Of Distinguished Public Service (the highest distinction given by the Department to a civilian) for his role in bringing government and industry together through AFCEA. He will be missed by all who were inspired by their friendship with him. (Submitted by Stu Meyer - W2GHK

Recognitions

CONGRATULATIONS TO:

Gerrie Sweeney - N4GHI on being appointed to the ARRL ANERCOM Committee. This committee came as an outgrowth of the experiences in the Mexico City disaster. Its objectives are to study the needs and goals of emergency message handling: (1) study procedures for integrating all volunteer Amateur Radio emergency communications under ARRL, (2) Interfacing with served agencies and determining their needs, (3) Feasability of sending response teams and equipment to crisis areas, (4) Review ARRL HQ emergency operations plan. Gerrie promises us a complete story on ANERCOM in a future issue of Auto-Call.

Holly Bevan - N3BMB of Crownsville, MD on being appointed Public Information Officer (PIO) in MD-DC. Holly is also editor of the Anne Arundel Club bulletin. Let her know about any good PR news.

Hollis Thigpen - KC3X on being named Anne Arundel Radio Club "Ham of the Month."

Frank Bates - AA6C, of Washington, DC on being selected Security Engineering Officer of the Year for 1987 by the U.S. State Department

Shenandoah Valley ARC on celebrating its 40th Anniversary.

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- $70 in equipment certificates from ICOM, KENWOOD, & YAESU.
- Ham radio equipment "Wish Books". • Laminated world map.
- ARRL membership forms. • Free CQ Magazine coupon.
- Hotline for student questions. • Dealer distributor list.
- School pen. • Course completion certificate. • License holder.

GORDON WEST RADIO SCHOOL

2414 College Drive • Costa Mesa, CA 92626 • (714) 549-5000

Department of State Amateur Radio Club

Meetings: First working Monday of each month at 1200 Noon.
Main State Department Building, Room 3524, Washington, D.C.
The Foreign Service Net: Every Sunday 1500-1530Z on 14.316
1530-1600Z on 21.416 and 1600-1630 on 28.616
Repeater: W3DOS/R 145.19, open access. Round Table, Thursday nights at 8:30 p.m.

The Annual Dept of State Amateur Radio Club Banquet was held Thursday evening, May 5th, at the Arlington Hall Station Officers Club with fifty members and guests in attendance

MC duties were handled by Brad Rohrer, K1CTK - he was supported by Pres. Conrad Eaton, K7CHC and Secty/Treas. Jane Renz, KG3R.

The guest speaker, Don Kraft, KB4ZAA, from the Office of the Asst Secretary of Defense for C3I provided a very interesting and informative talk on the formation and evolution of the National Communications System. He reminded the attendees that the August issue of QST will carry an article on the 25th anniversary of the NCS. Don gave a brief rundown on Amateur Radio's role in the NCS during National emergencies. During the question and answer period after the talk, Jack Maddux, W6GJN, gave a humorous recollection of the early days of the U.S./ Soviet Hot Line and some of the embarrassing experiences that took place.

Notables in attendance included:

Ambassador James Bullington, N4HX
Absent but reporting in via recorder was Ambassador Armin Meyer, W3ACE.
Perry Williams, W1UED, Washington Area Rep and ARRL Secretary.
Hugh Turnbull, W3ABC, Director of the Atlantic Div and his wife Betty.
John Kanode, N4MM, Vice Director of the Roanoke Division
Bill Grenfell, W4GF, Asst Director of the Roanoke Division
Ethel Smith, K4LMB, Asst Director of the Roanoke Div and Editor of Auto-Call.

Charter members of the newly formed VOA Amateur Radio Club included:

Dexter Anderson, W4KM, Secty
Gary Shirk, KA3OYY, Vice Pres.
Fred Laun, K3ZO and his wife
Tom Dorset, WB4J
Joel Rochow, N3FSH

Janie - KG3R

RADIO'S FIRST TWO DECADES

Old Timers and nostalgia buffs will enjoy K2VJ's new book "RADIO'S FIRST DECADES." It tells the fascinating story of radio broadcasting's beginnings. Read about spark gap transmitters, coherers, crystal sets, Audion tubes; stories and photographs of Marconi, Maxwell, Fessenden, DeForest and others; enjoy the excitement of earth's first voice broadcast on Christmas eve 1906; of KDKA's beginnings as the first licensed broadcast station. Nostalgic, historic and guaranteed entertaining throughout. $4.95 plus $2.00 shipping. Vince Luciani-K2VJ, Cologne Press, P.O. Box 682, Cologne, NJ 08213. (Commercial Ad 06)

News from the DX Front

A new Chinese Amateur Radio station, BY4RSA, is expected to be in operation by the end of October. The station belongs to Jiang Su Province and the QTH is Nanjing. The Station Master will be Chen Fang and he will concurrently hold a post as Secretary-General of Jiang Su Province Radio Sports Association. Exact days of operation and QSL route are not known at this time.

Chen Fang is currently operating with the Tibet Expedition on Mount Everest. The two participating stations, BTØLS and BTØZML, have been set up at the 3800 and 51514 foot levels as part of a Friendship Expedition by China, Japan and Nepal to operate from the highest mountain in the world. The expedition has been in operating from March to the end of May.

The above information was provided by John Rouse - KA3DBN, an avid DXer who makes a habit of roaming the DX world. He has recently visited OH, SM, OZ, TF, JA, VS6, BY and BV. The photo below shows John visiting with members of the China Radio Association in Taiwan. John is also a FAR Trustee for the Green Mountain Repeater Assn. and an Assistant Director of the ARRL Atlantic Division. He works as an editor with Capital-Gazette Newspapers in Maryland.

(L-R) BV7KA, BV2FA, KA3DBN/BV and BV2DA.
Taipei, Taiwan

NEW DXCC COUNTRIES LIST

It's here! The new DXCC Countries List is available from ARRL Headquarters. Included are listings for SØ (Western Sahara) and P4 (Aruba), as well as the "new improved" DXCC Rules.

Order yours today. Send $1.00 to ARRL HQ, 225 Main Street, Newington, CT 06111.

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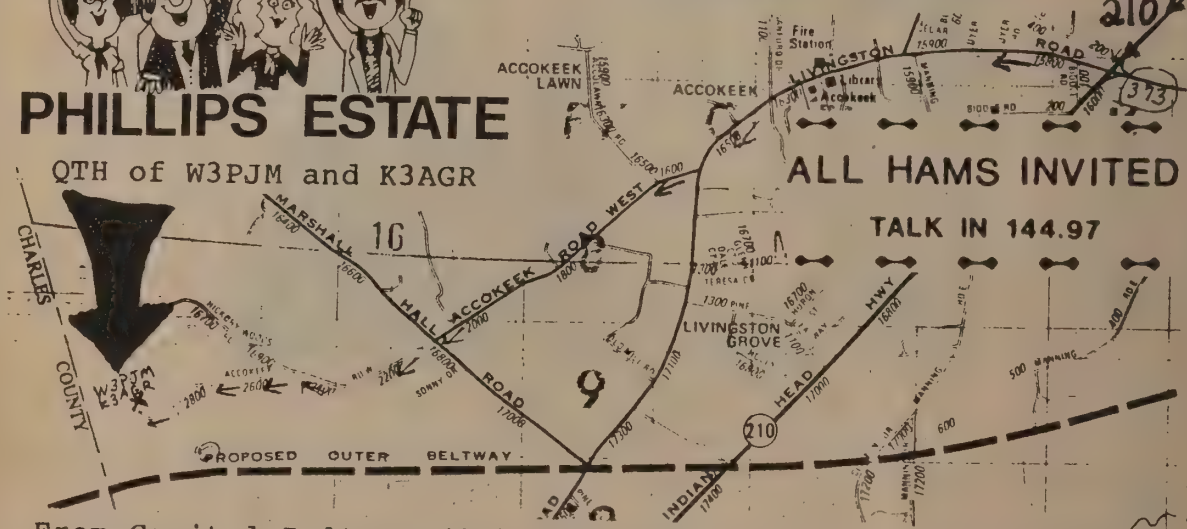

From Capital Beltway (95) take Exit 3A South on Rt. 210, Indian Head Hwy. Go 10 miles to light in Accokeek. Turn right (west) on Livingston Road and go 1.5 miles; turn right on Accokeek Rd. West and go 1.5 miles; turn right on gravel (mailbox D.H. Phillips) go 700 ft to house in woods.

FAST-SCAN TV REPEATER: 439.25 in / 426.25 out

* METROVISION *

MADRAS

The Maryland Apple Dumpling Radio Amateur Society, Inc.

Meetings: 2nd and 4th Wednesday of the Month - 7:30 PM
At the WKYS conference room, 4001 Nebraska Ave., N.W.
Repeater: 144.85 / 145.45 MHz

MADRAS HAPPENINGS

MADRAS was delighted to have had a representative of the ARRL meet with the club last month to entertain questions and present an overview of the ARRL's function in assisting the Amateur community. Thank you, for taking time out from your busy schedule to meet with MADRAS.

Our attention has been called to the fact that KA2EYP is now the proud owner of a TS-440. Kevin has been working DX and us local Hams - mobile. Kevin says he "finally" worked a P4! Congratulation, Kevin.

Bill, KC4EEV, will soon be on HF. He now has the use of a TS-520, loaned to him by Rick, WA1SPT. Now all Bill has to do is install at least one antenna.

The Duck, NM3U, has had another failure of his TS-940. This time, it is making a trip to Kenwood to get to the bottom of the cause. Aren't you glad that you never sold the TS-930, Warren? By the way, Warren, have you gotten your QSL cards out for the DXCC Award? Rumor says that N4SAS is trying to get his before you!

Rumor says that Charles is the proud owner of TWO call signs! WB3 and GYE. Charles, of course, denies such occurrence. The truth is that Charles' call is so long that he has to break it up into two parts in order to get it out before passing out due to the lack of breath! It should not be much longer before a familiar voice with a strange call is heard on the Repeater.

For those of you who were in Ham Radio during the infancy of SSB, you may remember how difficult it was to tune in an SSB signal with an AM rig. It was especially difficult to tune in the garbled voice of a certain young girl on SSB. This little girl was none other than KC3NG (DXCC). It seems that Rene was fond of Ritz crackers and would check into the Virginia Phone Net, AM, while her dainty mouth was filled with them! It took five minutes for the regulars to figure out who it was. Today she doesn't do that anymore, however she is rather fond of Coca-Cola.

N2ØØEHD

MADRAS put forth its third N2ØØEHD operation, this time from Maryland. Over 2,800 QSO's were logged by the operators. Thanks to Alan, N3EHD, for a fine job of organizing this event.

The N2ØØEHD Washington, DC operation logged 1775 QSO's, the operators were N3EHD, W3GIS, WA1SPT, KA3PGL, KK4WQ, WB3GYE, N3FTU, KC3NG, NM3U, KA2EYP, KA3OVK,W3YTW, KY3R, K3KMO and KK4HD.

FIELD DAY - MADRAS is in the final stage of preparation for a Field Day operation. The club members are very enthusiastic, after their first taste of Field Day last year as a club.

DAYTON - MADRAS members, Rene-KC3NG and Terry - KA3PGL attended THE Hamfest this year. They enjoyed the "outing" to the fullest. Rene purchased a Broadcast quality Compressor/Limiter for the repeater. This item will make a great sounding repeater even better.

Anthony L. Davis, N4SAS

Rock Creek Amateur Radio Assn.

Two Meter Net: FM 144.65/145.25 Mondays 8:00 p.m.
RCARA Alumni Net: 7.23 MHz, Mondays 11:00 a.m.
RCARA LUNCHEON: Wednesdays, 11:15 a.m., Anchor Inn, Wheaton, MD
Meetings: 7:30 p.m. the third Friday of each month at Vitro Laboratories.
Mailing Address: P.O. Box 1913, Silver Spring, MD 20902

THE ROCK CREEK AMATEUR RADIO ASSOCIATION WAS A BICENTENNIAL SPECIAL EVENT STATION

Our club was authorized by the FCC to operate station W2ØØRCN during the week of April 23-29. During that week 200 years ago, Maryland was the seventh state to ratify the U.S. Constitution. In celebration of the Bicentennial of that event we operated on 160 meters thru 10 meters on both code and phone. Our goal was to maximize Amateur Radio exposure to the public; to contact those amateurs in "We the People" work all states program; send a radiogram to Chief Justice Warren Burger, President of the Bicentennial Commission of the U.S. Constitution; and be a part of Amateur Radio's commemoration of this historic event. We believe that we accomplished all these goals. Amateur Radio clubs authorized by the FCC to operate as special event stations in Maryland were:

WA2ØØWZA, W2ØØRCN,
W2ØØCWC, K2ØØAA,
W2ØØVPR, K2ØØSKE.

According to our ACC, Tony Young-WA3YLO, the U.S. Constitution is the oldest written instrument of National government in the world - a testimony to its solid foundation. Take pride and honor it. I know that our members do, and that we were and are proud to be a part of the Bicentennial.

Walt -AK3B

One of the hardest working members of RCARA is our scribe, AK3B. Walt has served on a number of club committes, including the Executive Committee, and is currently RCARA Trustee to the Foundation for Amateur Radio.

Walt Ramsey - AK3B

NEW INTERFERENCE PAMPHLET

"Consumers Should Know Something About Interference" is the title of a new publication just completed by the FCC and the Electronics Industries Association (EIA). This publication is designed to assist consumers in identification and resolution of common problems with interference to home electronic products. The easy-to-understand pamphlet contains step-by-step methods of understanding and resolving interference. Copies are available from EIA or the FCC or any FCC Field Office.

Write to:

Federal Communications Commision
Public Service Division
1919 M Street NW, Room 725
Washington, DC 20554

or

Electronic Industries Association
Exec. Director of Consumer Affairs
2001 Eye Street N.W.
Washington, DC 20006

Vienna Wireless Society

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Meetings: 2nd and 4th Fridays of each month, 7:30 p.m.
Vienna Community Center, 120 Cherry Street, Vienna, VA
Repeater: K4HTA/R
Nets: Every Thursday at 7:30 p.m. on 146.085 in and 146.685 out.
Alternate simplex frequency is 147.51
10 Meter, 28.400 MHz 9:00 p.m. every night of the week except meeting nights.
Information: Bill Mills, KC5PF/4 (703) 937-4090 (Home), (703) 359-0141 (Work)
Training Classes: Dave Guffy, NY4V (703) 385-6608
Mailing Address: P.O. Box 418, Vienna, VA 22180

ARRL VHF CONTEST MEMORIAL PLAQUE

Phil Sager - WB4FDT/1, a member of the American Radio Relay League Headquarters staff in Newington, CT, is sponsoring an awards plaque in memory of Dudley Watts - N4KEU for the ARRL June 1988 VHF contest. The award by Phil is a tribute to Dudley and his past operations on the VHF frequencies.

ARRL W1AW RENOVATION FUND

The VWS Board of Directors, at it's 6 May meeting, approved a contribution in the amount of $500 be sent to the ARRL W1AW Renovation Fund. The ARRL is planning a major renovation of the Hiram Percy Maxim Memorial Amateur Radio Station, W1AW, and the building which houses the station.

SPRING RADIO CLASSES END

The VWS Spring Amateur Radio training classes for Novice and General/Technician licenses have come to a successful end. Two individuals advanced to General and one to Novice.

Fall training courses for prospective Amateur Radio operators will be sponsored by VWS at the Vienna Community Center beginning in September.

ARRL FIELD DAY

Bob Lipp - K4MJO, and Mark Kanawati-KB4GCU are the Field Day generals for 1988. The VWS will operate K4HTA from Burke Lake Park the weekend of June 25-26. The annual ARRL sponsored Field Day event exercises the club's ability to operate under simulated emergency conditions.

The public is invited to drop by the VWS radio site at Burke Lake Park and view the equipment and operations.

VIVA! VIENNA!

The VWS will operate Amateur Radio station K4HTA during the annual City of Vienna festival on Sunday, the 29th of May. The annual festival brings out a large gathering of people every year, some of whom obtain their first exposure to Amateur Radio via the operation of K4HTA. The festival will operate between 12:30 and 6:30 p.m.

Bill - KC5PF/4

Shenandoah Valley Amateur Radio Club

Meetings: 1st and 3rd Fridays of each month. 7:30 p.m.
SVARC Club House, 2991 Grace St., Winchester, VA
Club Repeater: 146.22/.82
Shenandoah Valley Emergency Net: 7:15 nightly on the repeater
Information: Cliff Kitts, KD4TZ, President SVARC, 124 Allison Ave., Winchester, VA 22601 (703) 667-9458

It is with sadness that the SVARC notes the passing of Uncle Pete - W4OOL. Uncle Pete was one of our charter members, going back to 1948, and has been an active and much loved member of the ham community in this area for years. He will be missed.

The preparations for the SVARC Hamfest are well under way, all the exhibitor tables have been sold out, the prizes (including an ICOM-735) have been selected, and a good crowd is expected this year in Berryville, VA. As usual, the Hamfest is held on the first Sunday in August. This year it will be on the 7th. Everyone is cordially invited.

The students of Walt Quitter's (NC4B) Tech/General up-grade class completed their work in time for the FCC Exams at Lord Fairfax College on May 7th. A number of the Technicians and General class hams in the area should be the result.

ARES exercises were held April 23rd under the direction of Section Emergency Coordinator Steve Czaikowski - WB4ZTR. Search and rescue teams were dispatched in connection with the Potomac Appalachian Trail Club's 50 KM run. Steve, a member of the SVARC, and over a dozen other SVARC members were kept busy from down till dusk with the event, proving once again that ham radio is ready for action!

In celebration of the U.S. Bicentennial, the SVARC will be holding an event during the last week of June, using the call sign W2ØØRKC instead of W4RKC.

Also, as usual, the SVARC club station will be participating in Field Day on June 25th and 26th. The SVARC will operate class 3A.

So let's gear up for summer, and all those ham events that come around every summertime.

Paul - NI3T

What is Amateur Radio?

Amateur Radio, also known as "ham radio," is communicating. Hams, who must be licensed by their governments, operate two-way equipment from their homes and cars. They communicate with other hams across town or across the world on special sets of radio frequencies, or bands, that are set aside for Amateur Radio use.

Who are hams?

Just about anyone can be a ham—there are no age limits. Many people with disabilities find a door to the world in Amateur Radio. Some famous people are hams, but most are just people from all walks of life who like making new friends around the world.

How can I become a ham?

Getting a ham radio license is easier than you may think. In the US, the Novice (beginner's) license requires only passing a 30-question written exam on basic electronic theory and FCC rules and regulations, along with copying and sending Morse code at five words per minute.

The American Radio Relay League (ARRL) offers a wide variety of information for persons interested in radio communication. We can also provide you with a list of clubs and instructors in your area. Many local Amateur Radio clubs offer licensing courses several times a year.

For a prospective ham packet, contact the ARRL, Dept Q, 225 Main St, Newington, CT 06111, tel 203-666-1541.

Tri County Amateur Radio Club

Repeater: KA3LAO/R, 147.78 MHz in - 147.18 MHz out Autopatch
On-The-Air-Meeting on the repeater every Tuesday. Westlink Report at 7:15 p.m.
Followed by club net at 7:30 p.m.
Address: P.O. Box 710 College Park, Maryland 20740

Is it summer yet? It must be getting close since Field Day is just a few weeks away. Tri-County ARC will participate in Field Day again this year. (Older and wiser...uhh, more experienced that is). The Field Day site will be the same as last year, near the ball field on Kenilworth Avenue on the Agriculture Department's property, and the date will be June 25-26. Dave - KA3HGB is the Field Day Chairman.

You can also tell that summer is near since the club's picnic was a topic of discussion at the meeting in May. The club will have a picnic again this year however, the location and date have not yet been set. Our Social Committee, Holly - N3FCA and Margaret - N3FNF, are making plans. I'm sure they would appreciate your participation.

Speaking of food and fun, there was a suggestion that a crab feast may be in order this year. There was an overwhelming majority of meeting attendees that raised their hands in favor of the idea.

Moving right along with the food and fun theme, the Father's Day fishing trip is coming up soon. Bill - K3MHZ and Dave - KA3HGB, our resident anglers, are in charge of this affair. Contact one or the other if you are interested. Don't delay as the trip will be a very short time away by the time this is published and this is a very popular activity.

Additional information on any of the above events can be found by checking into the weekly net.

The monthly dinners are still going strong and you are invited to participate, member, non-member, prospective member, family, friends, etc. The dinners are held the third Saturday of the month at about 7:30 p.m. Due to publication deadlines and reservation deadlines, I am not usually able to publish the location of the dinners here in Auto-Call. This is yet another good reason to check into the Tuesday evening net to keep up to date on activities.

Charlie -KA3JYS, who is now living in "The Land of Milk and Honey" has a new call sign, it is 4X6TQ. Charlie can be found on 14.343 at 1700 and 2400 hours local time. With the bands improving, now is your chance to get on and say hello to an old and faithful friend of the club.

There is one more important announcement that I have saved for the last. (Saving the best for the last.) Jim-WA3NSI and XYL Holly - N3FCA are expectant parents! Congratulations to both. We all wish them the very best.

Al - WA3QGA

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Metrovision Amateur TV Club

FAST SCAN - COLOR - ATV

Meetings:	Quarterly: Call for meeting time and place. Next meeting will be Saturday, June 11
Repeater:	WA9GVK/4 (Video and Audio) 439.25 MHz in; 426.25 MHz out Also accessible on 144.970, simplex, audio.
On-the-air:	Sundays at 8:00 p.m.
Mailing:	Metrovision, Inc., P.O. Box 8231, Falls Church, VA 22041
Information:	Warren - N4MWU (703) 573-9619 Dick - WB3EPX (301) 439-8135

Metrovision would like to take the opportunity to welcome Ken - W3DFS and Woody - K3DLH to the club. My appreciation to both Ken and Woody for helping me replace my defective coax, and raise ATV antenna.

Everyone should periodically check the VSWR between rig and antenna just in case a problem with moisture exists. Any moisture in the antenna feedline will not only cause high VSWR, but power loss as well. Check those connectors! Use only those that are absolutely necessary, and use Type N as opposed to the other so-called UHF types.

Some improvements have already been made at the repeater site - more to come later.

Glad to see Tommy - KA3MKC and Gerald - KB4QGJ back on the air.

Our June ATV club meeting will be held at the QTH of Ruth and Dave Phillips on Saturday, June 11, 2:00 p.m. See ad on page 30 for details.

Don't forget your membership dues. We hope that everyone will have a happy Summer. See you on ATV.

Dick - WB3EP

Armed Forces Communications and Electronics Association

AFCEA International Headquarters
4400 Fair Lakes Court • Fairfax, Virginia 22033-3899, USA
Telephone (U.S.) 703-631-6100 • (International) 001-703-631-6100
Facsimile (U.S.) 703-631-4693 • (International) 001-703-631-4693
Telex 90 1114 AFCEA FFX

AFCEA AMATEUR RADIO OPERATOR'S LUNCHEON

The Armed Forces Communications and Electronics Association (AFCEA) Annual Amateur Radio Operators Luncheon will be held on Wednesday, June 15th At the Washington Convention Center. Tickets may be ordered from AFCEA (Program Office), 4400 Fair Lakes Court, Fairfax, VA 22033-3899. Telephone (703) 631-6125. Tickets are $25 each

You will receive a flyer in the mail if you attended last year's Luncheon and signed the roster and included your address. You may get on this mailing list by contacting AFCEA Vice President, Stuart Meyer, W2GHK (703) 281-3806.

ADMISSION TO THE FABULOUS EXHIBIT AREA IS FREE

The D.C. Convention Center is conveniently located between the Gallery Place and Metro Center stations of the Metro Subway System.

Metropolitan Communications Network Radio Club

Meetings:	Quarterly, on the second Sunday of the month. W.A.T.A.'s Community Meeting Room, 4729 14th Street N.W. (at Decatur Street), Washington, DC - unless otherwise announced.
Repeater:	WB3DBU/R, 52.250 MHz in; 53.250 MHz out. Accessible on 144.950 MHz in the simplex mode.
On-the-air:	Saturdays at 1900 hours.
Mailing:	c/o Bob Sporn - WA3GGO, 9927 Cottrell Tr, Silver Spring, MD 20903-
Information:	Bob Sporn - WA3GGO (301) 434-1719

The year's second quarterly meeting will be held Sunday, 12 June at 1400 hours at the QTH of our President, Frank Hipsley. "Rick" Weaver - KA3BTD worked Johannesburg, South Africa the third week in April. He heard Swaziland but the pile-up was just too big for him to get through.

We welcome John Ward - KA3GNG who joined us. We are receiving excellent reports about our repeater, and our Technical Committee continues to strive for getting more satellite facilities and expanding our range.

THE SUNDAY MORNING COFFEE NET (6 METER AM) ON 50.4 MHZ AT 0900. While the younger members of our club were off to Dayton, Rudy Williams-W3UBZ was net control. Due to the Dayton Hamvention, our nets that weekend were under par. We welcome our latest member, Lt. Col. Arthur D. Sullivan - K3BQZ.

MARYLAND FREE STATE SIX METER SIDEBAND NET: SUNDAYS AT 1900 HOURS ON 50.125 MHZ. The net flourishes, with Frank Hipsley heroically working to get the few more elusive states he needs for his WAS on QRP on 6 meters.

Join us on any of the above nets.

Bob Sporn - WA3GGO

COMPUTER DISK DRIVES MAY BECOME OBSOLETE!

The computer industry has been taken by surprise by the announcement of a new **erasable compact disc** that may lead to personal computer data storage devices that will replace floppy and hard disk drives.

The erasable CD is designed to inexpensively record audio or video...or store date from a personal computer. For the first time ever, it is possible to record and erase and re-record digital information over and over again, whether music, data or video, on a CD-compatible optical disc. The first commercial use will be CD-audio, which is is the least demanding on the hardware and the media. Tandy/Radio Shack has announced that the recorder will be available in about 18 months and will sell in the $500 range. Personal computer data storage devices require greater precision and error checking capabilities, but that is the next likely product. The "Thor-CD" technology follows the same technique used in conventional optical discs: using a laser beam to read a series of microscopic "pits" in a light reflecting disc. One Thor-CD disc has the astounding capacity of 15,000 5-1/4" floppies!!! Tandy will be licensing its technology to other manufacturers.

(Info. from W5YI Report, 1 May 1988)

Maryland Emergency Phone Net

Meetings: EVERY NIGHT, 3920 kHz, 1800 Local
Net Manager: K2EB; Secretary - KA3CSM; Treasurer - W3FA
Directors: K3ONU, KC3FK, N3EGF, K2EB (Alt)

The MARYLAND EMERGENCY PHONE NET (MEPN) is a radio telephone net designed to provide efficient and coordinated radio communications for Maryland and the District of Columbia and to maintain traffic handling proficiency in case of emergency. MEPN is a member of the National Traffic System (NTS) and meets nightly at 1800 hours local time on 3920 KHz. Once the traffic has been moved, we then launch into a round of comments concerning a variety of topics from those stations remaining on frequency. Come join us and meet some of your fellow radio Amateurs from the Maryland and DC area!

Don't forget the MEPN annual picnic scheduled for July 10th. Orville - N3AGM made the necessary reservations at Gambrill's State Park near Frederick, Maryland. Look for a map and other details regarding the picnic in the June MEPN newsletter and be sure to set July 10th aside. And don't forget to bring the XYL\OM and the kids, too. The weather hasn't been too great lately, which only means that it will probably be fine for the picnic. Hope to see many of you there.

Sorry for the short column this month, but things have been rather busy between work and my evening classes.

See you on the Net!

Bob - K2EB

Laurel Amateur Radio Club

A Volunteer Examiner Coordinator

Address: P.O. Box 1436, Laurel, MD 20707-0951
VEC Address: P.O. Box 3039, Laurel, MD 20708-0039
Meetings: Second Wednesday, 2000 local, Informal meeting.
Fourth Wednesday, 2000 local, Business Meeting, Capitol College.
Other Wednesdays, 2030 local - 147.54 MHz
Information: Frank - K3LDE (301) 498 2213 or Emmett - N3BOR (301) 674-4080

The last 60 days have been extremely busy ones for LARC. First there was the Mothers Against Drunk Driving (MADD) Bicycle race at Capital College on April 23. Honchoed by George - N3FNF, LARC provided operators around the race course to provide details on who was leading in the race as well as to assist participants and spectators alike. Participating were N3FNF, W3DQI, KD3S, KA3QPU, W3GFS, KA3MFM, KA3SKI/KT, N3FQA N3DUE and KA3SKI/KT.

Then there were our 2 regular monthly test sessions at Maryland Radio Center on April 23rd and May 28th. Once again, around 40 people crowded into MRC in an attempt to earn more band privileges. Figures for the May session were not available at this writing. Excluding these two sessions, LARC members have personally given 6 exam sessions since the year started; testing 127 applicants and administering 308 elements. Over half of those tested were able to upgrade their license privileges. These figures only reflect the exams that LARC actually gives. It does not reflect the numerous exams that our Volunteer Examiners (VEs)

(Continued on page 39)

Woodbridge Wireless, Inc.

Meetings: 3rd Tuesday of each month, at 7:30 p.m.
Springwood Community Center, Corner of Springwood Drive and Chauncher Court, just West of Woodbridge Airport.
Repeater: WB4FQR/R 147.84/24 and 449.9/444.9]
Nets: Mondays, 8:00 p.m. local (0100 UTC) 147.84/24
Wednesdays, Slow CW at 8:00 p.m., 21.164 MHz
Saturdays at 10:00 p.m. - in new 10 Meter Novice band 28.7640 MHz SSB
Mailing Address: P.O. Box 112, Woodbridge, VA 22194

WWI is losing some good friends and hard-working hams. Rick, KZ2E and Marlis, N4MZJ are leaving the I-95 go-to-work net to operate a boat dealership on a lake in Missouri...talk about extremes! Rick is well-known down here in WWI as a contester and organizer of DXpeditions. Marlis has been the driving force behind the Wireloose, the WWI monthly newsletter. They will be missed, but through the magic of amateur radio they'll drop in on their old friend.

The rowing season on the Occoquan is over for now and Dean, WB4EIY and Joe, W4ADM have had a long, lonely season. Volunteers have been few and far between.

For the summer, public service opportunities abound. There are numerous running events, parades and special X-a-thons (you fill in the X). One main reason for ham radio is public service. If enough people volunteer just a little of their time, the burden will not fall on just the faithful few.

Finally, as this is written the WWI is in final negotiation for a field day site. First choice is the old (now closed) Woodbridge airport. It would be ideal for the job...centrally located with traffic going by (good for public exposure) and plenty of room. Check on the repeater for latest info and remember the informal Field Day Net on Thursday nights.

Here's hoping all have a safe, enjoyable summer and the bands open wide.

Good DX-ing! - WJ4M

LAUREL ARC - Continued

give as one of the area Volunteer Examiner Coordinators (VECs). If you are interested in becoming a VE for the 3rd or 4th call area, contact us at the above VEC address. While there are numerous VE sessions available in and around the DC-Baltimore area, this is not always true in the outlying areas. If your area needs an examiner team, any one of the VECs in the area will be glad to help. It doesn't matter which VEC you use. What matters is that those with an interest are able to take an exam and enjoy the many privileges Amateur Radio provides.

Coming up soon will be Field Day! If you get a chance, stop by and visit us. We will be at our usual location on Brooklyn Bridge Road just west of the I-95 overpass at the entrance to the Rocky Gorge Dam. We will be set up in the field as you come in. You can't miss us! As usual, we will be doing this for fun not for points. In keeping with that, we will shut down temporarily Saturday evening for our family picnic. If you're going to stop by, that's as good a time as any! See ya on the air!

Emmett - N3BOR

Chaverim of Greater Washington

Meetings: As announced on the net.
Weekly Net: Thursdays evenings at 8:00 p.m. on the NIHRAC repeater. 145.29 MHz or the RCARA repeater, 145.25 if the primary is down. All hams are encouraged to participate.

Our April meeting featured Joe Kasser-G3ZCZ, who enlightened us with his impressions of amateur radio in Israel. Joe lived in Israel for several years. He was first licensed in 1968 in England, his home QTH at the time. Two years later he upgraded to the Class A all band license and received his present call. He was WAC from Michigan, Maryland and Israel, along with WAS.

During the years of 1981 - 1987, Joe developed a solar power station in Israel and constructed it in California. Aside from Amateur Radio, computers have been one of Joe's other main interests. He has written and published two books, "MICRO COMPUTERS IN AMATEUR RADIO," and "SOFTWARE IN AMATEUR RADIO." He is also a staff writer for CTM magazine. Joe plans to do more research in the field of packet radio in the future. Thank you, Joe, for the interesting discussion.

The 40 and 80 meter dipoles at the JCC are back in operation. However, the Kenwood 430 is in the hospital and will be back in the shack again soon. Please pardon the inconvenience.

We would like to welcome new member Jeff Horlick - KZ3F.

If anyone has any comments, inquiries or general questions regarding Chaverim or these articles, please call me at (301) 340-2929.

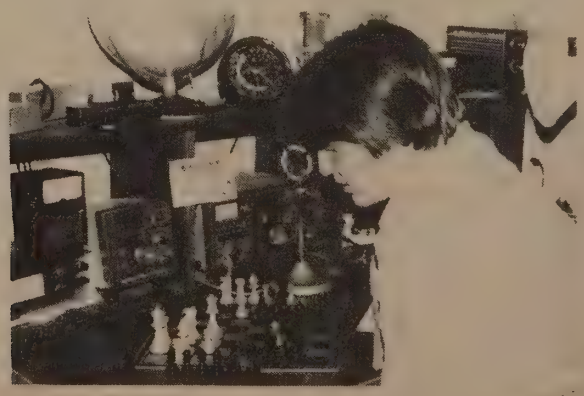
Don't forget the Thursday night On-the-air meetings.

Whatever is to be said
go ahead
It's our ear
that wants to hear

73 and Shalom
Jon Binstock - NK3D

CHESS ON AMATEUR RADIO

A number of activities combine their interests with Amateur Radio. A good example of this is radio chess. Chess players have become quite active on the air and you may find them anywhere - on CW, SSB, RTTY, Packet, OSCAR, etc. K2VJ sent in this photo of his son, Jim - WA2JNN, deeply engrossed in a chess game with the Chess & Amateur Radio International. Anyone want to challenge him?



Anne Arundel Radio Club

Meetings: 1st and 3rd Thursdays at 8:00 p.m.
Davidsonville Family Recreation Center, Queen Anne Bridge & Wayson Roads off MD Rt. 214 near Annapolis.

On-the-air: Thursdays, 2030 Local time when there is no club meeting, on 147.705/105.
Tuesdays at 2030 Local time (2100 DST) on 28.710.
The Chesapeake Bay Weather & Traffic Net on 147.705/105 at 1100 and 1500 every weekend day and public holiday from April 1 to November 15.
Maryland Slow Net (MSN) every evening at 1930 on 3.7170 MHz
W3VPR Packet BBS on 145.09 MHz.

Address: P.O. Box 308, Davidsonville, MD 21035

Information: Margaret (Holly) Bevan (301) 923-0229

As a result of the recently completed Novice Course, twenty-three new radio amateurs are awaiting their licenses from the FCC. About half of them have taken advantage of the offer of free AARC membership for the remainder of the year.

AARC members manned a Special Events Station on each of the 7 days (April 23-29) designated as Maryland's week to air special event club activity. Member participation was good, especially that of newer club members and Novice Course graduates. Air time was about 35 yours, with 651 contacts in 46 states. Requests for the special QSL card are rolling in.

Hollis Thigpen - KC3X was named AARC "Ham of the Month" for April for his contribution as Monday Night CW Elmer for the Novice Course. Paul (Nick) Buinicki -WB3KIW recently received a grand lodge plaque and two pins naming him "Elk of the Year" for Annapolis Lodge No. 622. They cited his work as chairman of the newsletter distribution committee for 17 years and for his role as a natural Santa during Christmas holidays. Nick, of course, is also AARC'S Santa.

AARC members acted as communicators for two Walks in Annapolis on the weekend of April 23-24. The walk for the American Diabetes Association on Saturday, the 23rd involved: Bill - N3FSX, Bob-KR3X, Tony -WA3YLO, Ed - KA3ACM, Dave - KA3SPS, John - KA3RSN, and Dick - N3FKV. The workers for the March of Dimes walk on Sunday were: Buck - KC3Y and his XYL, Beverly; Rick-KB3NG, Fred -W5VVB, Ken - N3GAW and Holly - N3BMB.

Malinda Keith - N3FNY has upgraded to General. Dave Platky - KA3SPS is now a Tech. Bob Fox (formerly KA3MSM) now has the call N3GDA.

Holly - N3BMB

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Estate sales for Widow's Assistance handled by a FAR club will be published without cost.

Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Since no effort is made to investigate advertisers, no warranty can be implied.

Copy must be received by the 8th of the month preceding publication.

WANTED: GENERAL RADIO unit oscillator model 1218A or 1218B, 900 to 2,000 MHz, GR 1000-P6 diode modulator, GR 1000-P7 balanced modulator, type 874 pads, air line and insertion units. Charles Preston - K4LJH, 48 N. Ivandale St., Hamilton, VA 22068; phone evenings 6:00 - 9:00 p.m. (703) 338-4152 (07)

FOR SALE: HW 101 Transceiver with HP23A power supply and SB600 Speaker. Transmitter works fine, trouble in receiver - $75. W4ONE (703) 323-6555, Fairfax, VA (06)

FOR SALE: Learn code with MorseMaster II Random Code Generator - $45; HF Yaesu 901 DM with external speaker/phone patch (SP901) - $500; 2m - KDK 2016A with touch tone mic - $150; All in excellent working condition. Call Ron - KA7EAL, Silver Spring MD (301) 871-5539. (06)

WILL GIVE TO ANYONE WILLING TO CARRY AWAY 2-element, 3-band Cubex Quad framework. Includes booms, coupler, arm spreaders and fibre glass arms. All that is needed is wires to thread through arms. W3ACE (202) 244-7737

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USED GEAR

FOR SALE: Motorola commercial 10 meter base station: Motorola Mod-C-71GJB-PH52, Type CC1006, Ser. D-30595. Will make an ideal FM base station for your shack or FM repeater for the club. Rig has two 6146-B for 100 watts out and two 3B28 rectifiers in power supply. All new tubes in Xmtr and Rcvr. Presently Xtalled for 27.45 MHz. Complete with mic. & all cables in locking cabinet. Rig has PL installed. Call Milt-W4AWL (703) 281-5721, Vienna. (06)

NORM'S ROTOR SERVICE
Rebuilt Rotors, Parts & Service
Call Norm Jeweler - K3LYW
677 Southlawn Lane
Rockville, MD 20850
(301) 340-0520
(C12)

VACUUM TUBES: 70,000 in stock. Reasonable prices. Quick turnaround. VACUUM TUBE STORAGE BOXES: White. Four sizes. For lists send business SASE to TYGER ELECTRONICS, Box 750, Clinton, Maryland 20735. Phone Bob at (301) 248-7302. (C12)

FOR SALE: ANTENNA: Wilson System 36 six element tri-band beam. Worked over 250 countries on this antenna. Has 24 foot boom and is very similar to the TH-6 Hi-Gain beam - $95. Delivery available in local area if needed. Bob Lipp - K4MJO, 11218 Sweetwood Lane, Oakton, VA (703) 620-3446. (06)

Need Antenna or tower work done? Call L. Chertok - W3GRF. (301) 297-4888. (C12)

A NEW ON-LINE CALLSIGN DIRECTORY is how available from Buckmaster Publishing. HAMCALL provides access to the latest call directory listings via your computer and modem for only $29.95 per year with unlimited use. For further information write Buckmaster Publishing, Mineral, VA 23117 (703) 894-5777 or 800-282-5626 (C06)

FOR SALE: Mosley Classic-33 tri-band beam, CDE Model TR-44 rotor with control cable, two coils of RG-8U (about 100 feet each) and a chimney mount with straps and turnbuckles. All have been in covered storage and are ready to take away. Also available: a Hammarlund SP-600 receiver. Offers considered. Walt - W4RNB, (703) 765-3184, Alexandria, VA (06)

WANTED: Lightning bug and Mac key. Bill - WB4EDB, Fredericksburg, VA (703) 373-0996 (06)

PROFESSIONAL CW OPERATORS
Retired or Active
Commercial, Military, Gov't, Police, etc., are invited to join the
SOCIETY OF WIRELESS PIONEERS
Contact SOWP Secretary, Wm. J. Brown on (301) 365-2049 for details

ESTATE SALE: KENWOOD TS-830S with matching microphone, spare tubes, two manuals and operating logs; approximately 40 feet each of RG/8 and RG/11 coax; Trionyx TR-1000 frequency counter; Heath HM-2102 power meter. Asking $600 for the lot; reasonable offers considered. Jim Montanye, Falls Church, VA (703) 560-0348. (05)

FOR SALE: HF Antenna Tuners, Tokyo HY-Power Model HC-400L and Drake Moden MN-2000. Both in like-new condition. Call John - W4HU (703) 536-9537. (07)

FOR SALE: Radio - Television Category 10 Meter Radio Transmitter, 180 Watt input. Motorola "Private Line" Compa-Station, with microphone and cables. Motorola Mod-C-71GJB-PH-52, Type CC-1006 Ser. D-30595. Ideal for repeater. Currently fitted with 27.45 khz xtals - $75. Milt - W4AWL. Call (703) 281-5721 evenings. Vienna, Virginia (07)

WANTED: Port. Dig. Receiver <u>with BFQ</u>, such as Panasonic RF-2800. Will also consider Non-Dig. RF-2200, Sony ICF-5900W, Etc. Joel - N3FSH (201) 363-4118, NW Washington, DC (07)

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JOHN T. NUTTMANN, CPA (301) 652-5040

FOR SALE COLLINS: Too many Collins stations. Cleaning out 32S-3, 75S-3B, 312B-4, 516F-2 with solid state rectifiers, round emblem. One of the latest production. Also have KWM-2A WE, 312B-5 RE, 516F-2 RE with solid state rectifiers. Both stations are mint in appearance and operations. Best offer. Tire kickers and wishful thinkers don't bother to call. It will take a fat checkbook for either station. Harry Kaklikian - W4ACN, 4941 Andrea Ave. Annandale, VA 22003 (703) 978-4402

WANTED: LaFayette CB Rig HB 115A. Paul Berkowitz (202) 226-7536 (Work) 363-8593 (Home) NW Washington (06)

WANTED: Base diagrams and data sheets for BURROUGHS 8421 (B-5092) NIXIE Tube. Jay Magigan, 10174 Yorktown Way, Great Falls, Virginia, 22066-4207 (06)

WANTED: MFJ-308 SW adapter for car, 15-60 meter bands. Joel - N3FSH (202) 363-4118, Washington, DC. (06)

ANTIQUE RADIO BUFFS!

Become a part of one of the country's fastest-growing vintage radio clubs. The Mid-Atlantic Antique Radio Club is an active group of radio collectors, restorers and historians. For application and sample newsletter, write Joe Koester, 249 Spring Gap South, Laurel, Md 20707. (301) 725-4229. (S)

The HANDI-HAM System is an international organization of able-bodied and disabled hams who help people with physical disabilities expand their world through Amateur Radio. The System matches students with one-to-one helpers, provides instruction material and support, and loans radio equipment.

Call or write the Courage HANDI-HAM System WØZSW at Courage Center, 3915 Golden Valley Road, Golden Valley, Minnesota 55422, phone (612) 588-0811.

QCWA NATIONAL CONVENTION

September 23-25
McLean, Virginia

The 1988 QCWA National Convention is being hosted by the Northern Virginia Vic Clark Chapter. This is a rare opportunity for local QCWA members to attend a national convention so close to home.

The convention site is the new McLean Hilton at Tyson's Corner. Jack Kelleher - W4ZC is Convention Chairman. Jim Wilcox, K4JAP is Convention Secretary.

See your Spring issue of the QCWA Journal for complete information and registration form. General registration for QCWA members is $7.00, $8.00 for member and XYL. Additional Guests $4.00 each. Saturday banquet - $22.00. Send your registration to:
Jim Wilcox, K4JAP
3442 Surrey Lane
Falls Church, VA 22042

IMRA

People Helping People

The International Mission Radio Association is an incorporated, non-profit, non-denominational organization of radio amateurs and associates who provides various services to missionaries. Traffic Net Monday through Saturday on 14,280 MHz 1:30 - 3:00 pm Eastern. For information, write Rev. Thomas Sable, S.J., University of Scranton, Scranton, PA 18510 (S)

ANSWERS TO QUESTIONS WE RECEIVE

Copy for Auto-Call will be accepted in any form - handwritten, typed, compatible computer disk or modem. (We use an IBM AT clone and WordPerfect program, Hayes compatible modem - 300 or 1200 baud.) All hard copy is re-typed to preserve uniformity of style in the magazine.

For your benefit in determining spacing, type 80 (12 pitch) characters per line and 58 lines per page - including the space taken up by headings, photographs, etc. Either black-and-white or color photos can be used as long as the contrast is good. Master copy, which is to be reproduced directly, should be in black ink on white paper. Any copy can be reduced or enlarged as desired.

Columns from Foundation member clubs are eagerly solicited and any items of general Amateur Radio interest are most welcome. The editor does reserve the right to edit or reject any portions of any copy submitted and to make minor changes to make copy fit available space.

SHACK SALES

Shack Sales will NOT be accepted over the telephone. Remittance must accompany each ad. Full address must be provided for our reference but need not be published. Deadline for copy is the 8th of the month preceding the publication date.

Each ad must include the call sign or the full name of the advertiser. If the full address is not included in the ad, we prefer to indicate the city along with the telephone numbers so that readers will know whether a long-distance charge is involved. The entire telephone number - including city - counts as only one word. We do not count postal zip codes. Otherwise, each word, abbreviation, model number, or group of letters/numbers is counted as one word.

See additional information in next column. If you have other questions, phone Ethel - K4LMB at McLean, Virginia (703) 536-8469 - at any reasonable hour.

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Full name and address must be provided with each ad but need not be published. No ads will be accepted over the telephone and all ads must be pre-paid. Since no effort is made to investigate advertisers, no warranty can be implied.

DISPLAY ADS

DISPLAY ADS are "boxed" and may contain artwork or photographs. They may be placed along with the Shack Sales or displayed in other sections of the magazine. Requests for specific locations will be honored if practical but cannot be guaranteed.

DISPLAY ADS are charged according to size and duration of run. Rates per issue:

Page	Col. inch	1 Year	6 Times	3 Times	1 Time
Full	18	$75.00	$90.00	$100.00	$105.00
1/2	9	55.00	65.00	71.00	75.00
1/3	6	40.00	46.00	51.00	54.00
1/4	4½	33.00	38.00	41.00	43.00
1/6	3	22.00	26.00	28.00	30.00
1/8	2¼	17.00	20.00	22.00	23.00
1/9	2	16.00	19.00	21.00	22.00
1/18	1	8.50	10.00	11.00	11.50

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Extra charge for halftoning photos.

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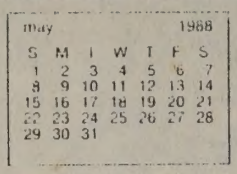
JUNE 1988

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
			1 BARC MARC	2 Anne Arundel	3 Mobileers Shenandoah	4 EXAMS U of Maryland VA Beach
5 MANASSAS HAMFEST	6 Dept.of State	7 Antietam PG Wireless	8 Laurel (Inf) Pentagon MADRAS --FAR--	9 No.Virginia Mt. Vernon	10 Alexandria SMARC Vienna	11 Metrovision Picnic EXAMS Salisbury, MD
12 Metrocom	13 PVRC	14 APL FARC	15 BARC MARC Goddard	16 Anne Arundel EXAMS Baltimore	17 RCARA Shenandoah	18 Cap. City Tri County EXAMS Manassas, VA
19 FREDERICK HAMFEST FATHERS DAY	20 Ole VA Hams SPARC	21 Antietam Arlington BRATS Woodbridge	22 Laurel MADRAS	23	24 Alexandria Vienna	25 FIELD DAY
26 FIELD DAY Adventists	27	28	29	30		

NOTES

NCDXA Net every Sunday, 8:30 p.m. 147.420

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